gcaagagctg ccggctccgg tggatcaact acctgcggcc ggacatcaag cgcggcaact 360

tcaccgacga ggaggagcag tcaatcatcc agctgcacca gctgctcggc aacagatggt 420

<210> 9620
<211> 225
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189075f09b2

<400> 9620

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catcgactat gctcccttgg gtcaaaaccg accacagacg caccctggcg ccattgagac 120

cctcaccgtg ctggagggga cactgtacgt tggctttgtc acatccaacc agcccggccc 180

aaacagaaac agggtcctct cgaaggtgct caacaaaggt gatgt 225

<210> 9621
<211> 485
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189075f10b2

<400> 9621

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ccaccccacc agcacagcgc cctcgccgcc cgccgctcac ctgccccgcg cccctccggc 180

cgtataaata caaggcgccc gtggcggaga tgggtaccgc tttttcctcc tcctcttcca 240

ccccagagtc cagagctatg gcgctcgcca aggccaagga gatcgtcgcc tccgcttccg 300

tcgtcgtctt cagcaagtct tactgccctt tctgtgttca agtgaagaag ttgctcacgc 360

agcttggagc aagtttcaag gccgttgaga tggacactga aagcgatgga actgagattc 420

agtcagctct tgctgaatgg actgggcaga ggactgttcc caatgtcttc atcaatggaa 480

aacac 485

<210> 9622
<211> 306

<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189075f11b2

<400> 9622

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ttcatggcag cggatagcaa gatcatgatt cctggttaca tgtactttcc taccaaaaat 120

aaccgatgga tgcatcaaat taacaacgag attgagtcca tcttgcgggg cataattgca 180

aaaaggatgc aagctatgca agaaggggaa agcacaaaag atgactaact cggcttatta 240

ctcgagtcaa acatgtcaga cacggatgaa aactgtcaat ccaccctagg aatgtcagca 300

catgaa 306

<210> 9623
<211> 224
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189075f12b2

<400> 9623

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accgcttgaa ttcactgatt tgtttagttc gacccgtttc caccgtgcgc gtgtaccatg 180

cacgacgtac gaactgtatc aggatattga ggagtagtac atgc 224

<210> 9624
<211> 260
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189075g02b2

<400> 9624

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ctcctgctcc acgcttgtca tgcccgcgct ttcgatcggc aacgtggggc agctcgccgt 120

ggacctgctg ataccttcgg cgaaggcgag gcgcgtggcg tacctcgacg agccctccgt 180

gctgccctgc atcggcaacg acgccttcgg accggacgcc gggggcgacc tcgcgctcgc 240

gctcgaagaa tacgaatcac 260

<210> 9625
<211> 313
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189075g04b2

<400> 9625

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caagtccgca ggaagagggg aaagatcgcc cagggcatca aagaacacgt gactctgggg 120

ccaaagctgt cggagacggt caaggggaag ctcacgctgg gcgccaggat cctgcaggcc 180

ggcggcgtcg agaaggtgtt ccggcagtgg gtctccgtgg acaagaacga gcggctggtg 240

agggcgtcgc aatgctacct gtccaccacg gcgggtccca tcgacgggat gctcttcgtc 300

tccacggagc gcg 313

<210> 9626
<211> 448
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189075g05b2

<400> 9626

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ccgggtgctg cgggcctggg cgacctgccg gagctctgcg ccgcgcaggt gctgctgcgg 120

ctcgacgcgc cggagatctg ccgcctggcg cgccttaacc acgccttccg cggcgccgtg 180

ggggccgact tcgtgtggga ggccaagctg ccggagaact accgtcacct catcgggtac 240

gtcgagggcg ggggcgagga gggcaggcgc cggctgccgc gggccgggac caaggagatc 300

tacgccaggc tctccaggcc cgtctttttc gacgacggca ccaaggaatt ttggctagag 360

aagagcaaag gttgggtttg tatggcgcta tccttcaaag ctctggtcat aactggcatc 420

gatgacagga gatattggac acacatgc 448

<210> 9627
<211> 161

<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189075g08b2

<400> 9627

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tctaggctct cccgccgcca ccctgtcgcc ggccccgtcg ctctcccacc ctgtcgccgg 120

ccgcgtcgct cccccgcccc gtcgccggcc ctccccggcc c 161

<210> 9628
<211> 348
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189075g09b2

<400> 9628

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caatgccaag aacaagaaga gatcagtgag aaggccaggc gaaaatcccc accgggcgag 120

aagagacgag ctccggcctg ctccgagaac aagaacaaga aggaatcccg gagcacgagg 180

gaagaataaa gcgggcggag gagaccggaa aggccgagga gaaaaaagct cttgattgat 240

ggagaagggg atggatccgg agctgctgga caacatcatc gccaggctgc tggaggtgaa 300

gagcctcaag cccgggaaga acgcgcagct gtccgagtcg gagatcaa 348

<210> 9629
<211> 368
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189075g10b2

<400> 9629

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tggtcggcgc gctcgtctcc accctgcagg gacactccgg ccccgacgcg gatgcggcgt 180

cccgggcacg cgcagccgtg ctcctggcgg acgtgatggc gtgcatgtcg ccgagcaggg 240

cggcgtcgct cccggagcag gcgttcgtcg aggctgtgcg gctgctccgc ggcgacgacg 300

gcatgggcgc ctcgacctcg atggcgacca aagcggcgct gcgggtgctt gcaggcgcga 360

ccgcccac 368

<210> 9630
<211> 371
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189075g11b2

<400> 9630

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accactggcc atctgatcta caagcttgga ggtattgaca agcgtgtgat cgagaggttt 180

gagaaggaag ccgctgagat gaacaagagg tctttcaagt acgcctgggt gcttgacaag 240

ctgaaggccg agcgtgagag gggtatcacc attgatattg ccctgtggaa gttcgagacc 300

accaagtact actgcaccgt cattgacgcc cctggtcacc gtgacttcat caagaacatg 360

attactggta c 371

<210> 9631
<211> 277
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189075g12b2

<400> 9631

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gaaaggcagg gagagatggc aatgaggccg ctcgtcgtcc tggctctggc cgtggcgctg 120

gccggggtgg cgctgcgagg gggcgcctcg gagggggccg gcgagtgcgg gaggtcctcc 180

cccgaccgga tggccctgcg catggccccg tgcatcttgg cggcggacga gccggactcg 240

gcgccctcca gcagctgctg ctcggcggtg cacaccc 277

<210> 9632
<211> 373
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189075h02b2

<400> 9632

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ggcgaaccag ggatccaaga agattgtgga gaggaacagg aagcgcatgg atctcctctg 120

cgcataatcc tcgtgtccaa cgttatttac atagtagtga ggatggctgt aatgtactct 180

tctttcacct ggaagcattg gatcggcctc gtggtgacat ctgctgcata ctctctttca 240

tacaagcaac tctctagtat gacaaagccc gaatgttctg acgcggacaa tcgtgaactt 300

ctgagttcgg gatatgactt ggccactggt gggcattctg aatatataga ggatgtgata 360

tacatcacag cat 373

<210> 9633
<211> 306
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189075h08b2

<400> 9633

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tccgcccccg gcgcccgtca ccatgatcat ctccaagaag aaccgccgcg agatctgcaa 120

gtacctcttc caggagggag tcttgtacgc caagaaggac tacaacctgg ccaagcaccc 180

ccaggtcgat gcctcgaacc tcgaggtcat caagctcatg cagagcttca agtccaagga 240

gtacgtcagg gagaccttct cgtggcagca ctactactgg tacctgacca acgacggcat 300

tgagtt 306

<210> 9634
<211> 393
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189075h09b2

<400> 9634

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cccagatgat aatgatgcca tgcctgttga tgtaacaatt gtgacatcag gaccagcagg 120

ttttgtagca tctacagagc agaataccat aggttattct gagcctgttc ttgatgatgt 180

tgccaagaaa agctctgttg gttacctaga acctgatcct gatgattccg cagatgttga 240

catgcttaac aaggacatca atggtgagca tgataatgaa cctgatcctg atgacggcac 300

tagtgaattt gtcctagaat ctggaaacaa gatggaagtg gagatggagc cgagaactga 360

ctccacagtt ctgaaatctg aacctgatcc tga 393

<210> 9635
<211> 420
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189077a01b1

<400> 9635

gtctctgcgt caaccgaacg accccgtccg cccgccgtat atcacaagga gaaagggatc 60

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cctacccgcc gccagggtat tcgccggtgt acccgccgcc ggcgcccggc gcgcagcagg 180

gcccgtacta cccgccgccg cagcagcagc cgccgccgcc gccggggtac cagggatact 240

tcagccaggg ccaaccgcag tagccgtcgc cctactacta cccgtcgtcg ccgacgcacg 300

gtggccatca ccaccacggc caccaccacc atgaccacca cgccgaggac caccacgccg 360

aggaccacca ccaccaccat ggccaccatc accaccacca ccacaacgat gatgactgct 420

<210> 9636
<211> 419
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189077a02b1

<400> 9636

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tattgtaatc tgggggtggc cagtatagat accaacaaat tttacataca agatacaaaa 120

atgattgacc accattacag aggaggagaa tgcaatgagg gagagggaga aaaatggaat 180

tatacctatg tgacacattg gccgcgatta tgtacgccgc agcataatcc ctttattaaa 240

catatggttt tgctacaaaa ttaactttgc cgccttcatc accgtgtctt ttggcagtaa 300

aaccttggcc tggaaagctt agccaccaag cctgtcgtcc tctgcagcat gcacttgccc 360

gatcagtcta atggcacctt gcgacccatg atgattcatg acgagttagc tgacccatt 419

<210> 9637
<211> 344
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189077a04b1

<400> 9637

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tggtcccagc tattcctact tataacaccc ccaaatgttc aggagagcta ttggtgcgtg 180

ttgtatgccc tggtgacaag attgggttag ttattggtaa aggtgggatg accataaaga 240

atataaggaa agaaagtggt gcaagcgtag atgttgatga cgcaaagaat gataaggagg 300

aaagcataat caccattttg tcaactgagg ccaccaatga tgtt 344

<210> 9638
<211> 245
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189077a05b1

<400> 9638

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catcatctgt tgctacctgc atcaaaccat ctgccacatg tcgcacctga gcatcctgac 120

cttcaagttc aacctatcga agctccggtt caagcccttc cgtacggccg gacggctgct 180

gtccgctcag ggaccggcag cagtccgacc tgatgatgta caagcctgac gaggaggaga 240

tggcc 245

<210> 9639
<211> 466
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189077a06b1

<400> 9639

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caagaaagaa ctagtttgat ctgtgaaaat gttggccatc ttccagaagc aggtggcgca 120

cgcgccgcag gagctcaaca gcccgcgcgg cagcaccgcc aagcccaaga accccgacga 180

gatcctccgc gacttccacg ccgcccaccc ctccgacgcc ttctccacct ccttcggcgg 240

cggcgccgcc ctcgcctgcg tcgccgcgca gccccgcaac ctcgccgccg gcgggtacca 300

gaggtaacgc caccatctct catgacccaa atcgctccca gcaaccgcaa cgatgtccgg 360

acgaataaga agaaccgatc tctctgtgtg cgcaggatgt tctgcgggct ggacgacatc 420

tactgcgtct tcatggggac gctggacaac ctgagcgcgc tgatgc 466

<210> 9640
<211> 336
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189077a08b1

<400> 9640

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gttgtcaaga gccaatcagg aggtgattcc agttccaatg gatcaaatga tcgtttcctt 180

acaggccttt atgatgatct ggctcaagac tgccttgcct ggacaagcag agcagactac 240

ccttcactct gttgtctgaa caagaaattc aatacgttgg ttaacggtgg atatttgcac 300

aagctgccgt ggaaatatgg tattgctgag cattgg 336

<210> 9641
<211> 328
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189077a09b1

<400> 9641

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cgtggcggcc acttcaaacc gtaggcgccg tcggacagga ggggcattta ccagacatgt 120

tttgggcgca tgccaaggaa gaccagcatc aacaccaagc actatgaggt gcttggtgta 180

ttcaagacag caaccacgga tgagttgaag aaagcttacc ggaaaggggt tataaaaaac 240

catgctgata agggcggaca ccctgagaag ttgaaagaat tggcacaagc ttatgatgat 300

ctcaatgacc ctgagaagag ggagattt 328

<210> 9642
<211> 447
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189077a11b1

<400> 9642

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ccgcgccgcg cccgccggct ccacggcctt caccgaggtc gccgtctgcg acccgctttt 120

cccggcgctg cctcctgctc ccgccaatcc ccgacgccct cgccgtctcc gtcgacaacc 180

cctacctcca gcgcggcggc gacgacgggg ggctccagtc gcgcagcaac gagatcttcc 240

tggcttctcg cggcaacgac gaccgcggcg aggagctgcc gttcgccgtc atctggatgg 300

cgtgctgccg agggaagctg gtcgcgttct ccttctgctc tggatctcgg gaatggagcg 360

cgctttcgcc gccggtgcac cacgcgctca gcatgcggag ggtcatgggt gtccgactgg 420

ggcagcgcaa ccatgcccac gggtgct 447

<210> 9643
<211> 340
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189077a12b1

<400> 9643

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ctctttgtgt tcgccggcgt tgggtccgcc attgcctatg ggaaaatcac cgatgatggc 180

gctctcgacc cagttggcct tgtggcgatc gtgatcgccc acgccttcgc cctcttcgtt 240

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cttgccgtcg gcggccacat taccatcctc accgggatct 340

<210> 9644
<211> 338
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189077b01b1

<400> 9644

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ttcttgtttc cttttcctgc gtcaacaagt gataaataag aaccgtagca gcagcagcag 120

cagtagccag gtagtagtga ttccggtgca aagatgtcgt cgtcgtcgct gtcgccggga 180

ggtgggaggc tgtcgggctc ggacggcgac tcgggggcga cgttctcggc cggggacaac 240

cggcgggaga agaggcggct gtcgaaccgg gagtcggcgc ggcggtcgcg gctgcggaag 300

cagcagcacc tggacgagct ggtgcaggag gtggcgcg 338

<210> 9645
<211> 443
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189077b02b1

<400> 9645

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caacaggttg caatttcgag cgagttggag caaaggaact gcctgatgtt tgaacattca 180

gcagcacggc agtctcatgg gtatcctcag tccacaaacg gcaagggcac aaagaacttt 240

aatttgaatg aagcactgtc agatggtctg gaagagcttg tagaacagga tgggagatct 300

gttggtagtt tgcagcatag taaaggtgaa ggatcagtat ttgggatctc ttggctaaaa 360

aataaagcta cttgtgctga cccaacaagg ctggaaaagc aaagaaagat gcttggccat 420

tccaacggga ctgcagcaga cac 443

<210> 9646
<211> 422

<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189077b03b1

<400> 9646

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cgccccttca gggtgttcag ccttgacact gggcgactga acccagagac atacgaactc 120

ttcgacaagg tggagaagca ctatggtatc cacatcgagt acatgttccc tgaggccagc 180

gaggtgcaag accttgtgag gagcaagggc ctcttctctt tctacgagga cggacaccag 240

gagtgctgca gggtgaggaa gggttcggcc cttgaggagg gccctcaagg gcctcaaggc 300

ctggatcacc gggcagagga aggatcagtc ccctggcacc agagccagca tccctgttgt 360

tcaagttgat ccgtcttttg aagggctgga tggtggagcc ggtagcttga tcaagtggaa 420

cc 422

<210> 9647
<211> 294
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189077b04b1

<400> 9647

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atgtaccctg atctgacgga gcagggcagc gccgccgccc aggtcgccgc cgtggtcgtc 180

ctcggcgtgg cgcctgagaa caaggcgggg cagttcgagg tggccgccgg gcagtccggc 240

gagggctgca gctgcggcga caactgcaag tgcaacccct gcaactgtta agct 294

<210> 9648
<211> 394
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189077b05b1

<400> 9648

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gaactagttt gatctgtgaa aatgttggcc atcttccaga agcaggtggc gcacgcgccg 120

caggagctca acagtccgcg cggcagcacc gccaagccca agaaccccga cgagatcctc 180

cgcgacttcc acgccgccca cccctccgac gccttctcca cctccttcgg cggcggcgcc 240

gccctcgcct gcgtcgccgc gcagccccgc aacctcgccg ccggcgggta ccagaggtaa 300

cgccaccatc tctcatgacc caaatcgctc ccagcaaccg caacgatgtc cggacgaata 360

agaagaaccg atctctctgt gtgcgcagga tgtt 394

<210> 9649
<211> 311
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189077b06b1

<400> 9649

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cggttgatcc caagcggaag agcagtgatg gcgcagtccg gcaacagcga cgccgtcccg 120

atcagcaccc agcccgcggt ggaggaggtg acggtgggga ggacgcccga ggaggaggcg 180

gccaggctga ggtacctcga gttcgtgcag caggcggcgg cgcaggccgt cgtgcttgcc 240

gtcgcggcct acgcgtacgc caagcagggc gccggcccgc tccgccccgg cgttgaccac 300

gtcgagggga c 311

<210> 9650
<211> 392
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189077b07b1

<400> 9650

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cgagttcatc tccaccctca tcttcgtctt cgccggcgtc ggctctgtca tcgcctacac 180

caaggtgagc ggcggcgcgc cgcttgaccc atccgggctg atcgccgtgg cgatttgcca 240

cgggtttggg ctgttcgtcg cggtcgccat cggcgccaac atctccggcg gccatgtgaa 300

ccctgccgtc accttcggcc tcgccctcgg cggccagatc accatcctca ccggcatctt 360

ctactgggtt gcccagctcc tcggcgccat cg 392

<210> 9651
<211> 457
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189077b09b1

<400> 9651

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gcgccgcgag tacgggctgg tccccatggt gatcgagcac acctcccgcg gggagcgcgc 180

ctacgacatc ttctcgcgtc tcctcaagga gcgcatcgtc tgcatccacg ggcccatcgc 240

cgacgacacg gcctcgctcg tcgtcgcgca gctgctttta ctcgagtccg agaaccccgc 300

caagccgatc cacctctaca tcaactcccc cggcggggtc gtcaccgcgg gcctcgcgat 360

ctacgacacg atgcagtaca ttcgctcccc ggtcaccacg ctctgcatcg gccaggccgc 420

ctccatgggc tcgctgctga tcgccgcggg cgcgccc 457

<210> 9652
<211> 425
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189077b10b1

<400> 9652

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caagccgcgg ccgtgggacc cgccgctgac cgacgccggc gtcctccggg cctggaccgt 180

cggcaagcgc atccgggcgc aggccgccgc cgacggctac gcgctccacc gcgtcctcgt 240

ctccccccttc caccgctgcc tccagaccgc cgtccaggcc gtcgccgcgc tctgcgccgt 300

ccccgacgac gccgcgctcg ccgccgtcct cgacttcagc gccaatgtgc ccctcgacac 360

ctcccgcgtc aaggtgtcga tcgagtatgg actgtctgag atgatgaatg ttgaagcgat 420

gggcg 425

<210> 9653
<211> 412
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189077b12b1

<400> 9653

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gcctcaccac cgccaagagc aaggtgtaca cgccggtgcc gagcggcagc gtcgaaggct 120

gggtgtggga gttcgccaag gcctacgtcg ccgtcaacga ctccggctgg caccagctcg 180

tcagccactg gctgaacacc cacgcggtga tggagccgtt tgtgatctcg acgaaccggc 240

acctcagcgt gacgcacccg gtgcacaagc tgttgagccc gcactaccgc gacaccatga 300

ccatcaacgc gctggcgcgg cagacgctca tcaacgccgg cggcatcttc gagatgacgg 360

tgttcccggg caagtttgcg ctggggatgt cgtcggtggt gtacaaggac tg 412

<210> 9654
<211> 379
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189077c01b1

<400> 9654

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tgcgccgggg tcgctcgatg ggttgcctgc aggcgagccg gataccggcg tcgtcgacca 180

gccacggagg aggagctgcc tgtagcgtag ctgagctata gtgctcggtc gatctgctgc 240

ttcttggggg cgaggaagaa gaataaccga ggcttactct cgacgacagc acaaggcgga 300

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gggcagcttg gcctgaggc 379

<210> 9655
<211> 342

<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189077c02b1

<400> 9655

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gaacgccgag ttgccaaaat gctgcgacaa ctgcaggttc ttctcggggg ccgtggtctg 180

cgacgacgcc ggccctaagt gccgcgacgg ctgcgtgaac tgccgtgtcg tggagacgag 240

ccccaagatg acgtttcggt gcgccgatgc gcgcggcgac gacggcacgc cctgcccgcc 300

ctgcaagaag tactgatcgc gcatgctcgg aacataagat gt 342

<210> 9656
<211> 494
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189077c05b1

<400> 9656

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cctgacaact ttgtgtttgg gcagtctggt gctggtaaca actgggccaa gggtcactac 180

actgagggtg cagagcttat tgattctgtt cttgatgttg tcaggaagga ggctgagaac 240

tgtgactgcc ttcaaggttt ccaagtatgc cactctcttg gtggtggtac tggatcaggc 300

atggggaccc ttttgatatc aaagatcagg gaggagtacc ctgaccgcat gatgcttacg 360

ttctctgttt tcccctcacc caaagtatct gataccgtgg ttgagcctta caatgccact 420

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ctttatgaca tctg 494

<210> 9657
<211> 410
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189077c06b1

<400> 9657

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gccgttgcag ccgacggcgg cgggggggggg ccttgctcgc gtcgtgggat ggccctggtc 180

acggccgtgc ctccctcggt gaccgcggcg gcggatttgg caaggcgctc ggattcgact 240

cgtccggctc cggtggcctg cctcatcgtc gacatgaagg tgctgctgct cgagcgcggc 300

ccatggtctg ctaggtggtg gaggggcgct cgggggtggc gctggcgccc agatccacct 360

cgtccttctc aggtgcgtcg ggggctggcc tgctcctttc cttcggcgct 410

<210> 9658
<211> 423
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189077c07b1

<400> 9658

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gaagcagaaa agaatgcact agtgagcaag atcctcatgc agcagatgct tacggagaag 120

gacagttcca aaaggcagca gcagattgat aatgaaatgt ttcttgcccg agagagagcc 180

cttgcagatg caaactatta caggattacg aaggaagcag aggctaacaa actaaaactt 240

acacctgagt atcttgagct gaggttcatt gaatcaattg ccaataacac aaagattttc 300

tttggtgaaa agattccgaa catgatcatg gatcaaaggt tgattcgaaa tcaccttgat 360

tctgctccga gcaaggacca gttagaaata tagtatcatc tcttgtaaat ttgaaggaac 420

gat 423

<210> 9659
<211> 459
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189077c09b1

<400> 9659

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ggacattcct tggctgaaga attactataa tttcggtttt gatcactttg aaatgtcttg 120

gaggaaagtt ggtttttctg gtttagttga tcttctgcta gggaatactg ggccgttttg 180

ctcaggagac tggattctcc ctgacctcac aattcaagga tctctaaaaa ttaactctac 240

cctcaagacc tttcccaata cattctactt cagttacgct acaaagagaa ctcgaaagct 300

atttggaatt acagtaccat caagcgtcct tggagttcat tcaatgctct ttatcagagt 360

tctccagatg tgtatgtggc ggtaccctca aaacgcacct ctaccttaca aaggatacag 420

ggatgaagat tgggaagata atgatggggc tttgaacac 459

<210> 9660
<211> 441
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189077c10b1

<400> 9660

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tgctcgcgcc accgcggaaa ggtgaaggcc ttccccagag atgaccaatc caagaaatgc 180

cacctcactg ccttccttgg ctacaaatct gggatgactc acattgtgcg tgaggtcgag 240

aagcctggtt ccaagctgca caagaaggag acatgtgagg ctgtcaccat tgttgagaca 300

cccccgattg ttattgttgg acttgttgcc tatgtgaaga ctcctcgtgg ccttcgtact 360

ctcaacttag tctgggcaca gcatctcagc gaagatgtca ggaggaggtt ctacaagaac 420

tggtgcaaga gcaagaagaa g 441

<210> 9661
<211> 317
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189077c11b1

<400> 9661

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gctagcttct aattctctaa tcgatcatgg gtggaggcca cgacatgcac ggcggccaca 120

atcggcggtg tgaagggctt cgtgtccggc ctcgttaacg gcgggaaagg ccacggctac 180

ggatcgtcat acggtcaggg gcacggctac ggcggtggcc acgtgcaggg ctacggcggc 240

catggccaga gctacgagca cgggtacggc gggcatgcgc agcacgggca cggcggctat 300

gagcacgggt acggcgg 317

<210> 9662
<211> 91
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189077d02b1

<400> 9662

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accaacattt ctagttaatg ctgaacaaat t 91

<210> 9663
<211> 125
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsrow189077d04b1

<400> 9663

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acacgtttct acgttatcct gtagtatgtt ttatgactaa aaaaaaaaaa aaaaaattna 120

attat 125

<210> 9664
<211> 446
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsrow189077d05b1

<400> 9664

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ccattcccat ccttttttgt ggtcgaccag ccggccagat tctcctgatc catttatgga 180

gggagatggg ccaggccttt cgcaagctct tcgnatgcct tctttggcaa caaggagatg 240

cgggtggtga tgcttgggtt ggatgcagcc ggtaaaacca ccatactcta caagctacac 300

attggcgaag tactctccac cgtccccacc attggtttca atgttgagaa ggttcagtac 360

aagaatgtag tgttcactgt gtgggatgtg ggcggccagt agaaattgag gcccttgtgg 420

aggcactact ttcacaacac ggatgc 446

<210> 9665
<211> 287
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189077d11b1

<400> 9665

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aaggcctttc catgcaagct cttgcttagg cctcctgcaa cgactcaatc cagcacaacc 180

cttttgcagc tagccaggcc taggcaggca gcattcatca tcgacagaca ggtcaccttg 240

tgcgcttgca tcaacgtgca gactcgcacg ttgatcaaag gatggtt 287

<210> 9666
<211> 208
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189077d12b1

<400> 9666

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tgtagataag tgcaacaatt aataaaagat cgtgctcgtc taatccttgg attgatgcat 120

cttgttaagg agtacaatcg cgttatgtgt tccatatttg tccctcaaag gtcaaggggt 180

gaatcaaatt gtgttattag aaagctat 208

<210> 9667
<211> 317

<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189077e01b1

<400> 9667

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ggcgttcgtg ctgtgggcgg tgctgcaccc gatcacggtg ctggggacga cgacccccac 180

ggggccgcac tggcacgccc tcgtcatcga gatcatcgtc accttcaaca tgatgttcat 240

cacctgcgcc gtcgccacgg actcgagggc ggtgggtgag ttggcggggt tagcaattgg 300

ttccgtggtt tgcatta 317

<210> 9668
<211> 417
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189077e03b1

<400> 9668

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gattgggtaa ttgaaatgtt attcacattg tcaattgact aatatgtgct acttggtacc 120

cttgctacag agaaaccagc gacaatggtg atccctccac cagacagggc agctagaatc 180

gtcggttttc tcaagcccaa ccttttgagg atggatttct cgaacaagtt tgtgaccgcc 240

caggtgatcc acaccccaac aacaaccgtc ccgtgttctg tgagctcacg ggagaagctg 300

ctgagatcgc acatgtagtc gaccggcgac gtctctgccg tcgcaaagat tggaaagttg 360

ttgggcgagc gcctgctgct caagtagata cctgccgtgt ccattcacat gaagaga 417

<210> 9669
<211> 421
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189077e04b1

<400> 9669

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ctttgctaca gagaaaccag cgacaatggt gatccctcca ccagacaggg cagctagaat 180

cgtcggtttt ctcaagccca acctttgag gatggatttc tcgaacaagt ttgtgaccgc 240

ccaggtgatc cacaccccaa caacaaccgt cccgtgttct gtgagctcac gggagaagct 300

gctgagatcg cacatgtagt cgaccggcga cgtctctgcc gtcgcaaaga ttggaaagtt 360

gttgggcgag cgcctgctgc tcaagtagat acctgccgtg tccatccaca tgaagagaga 420

g 421

<210> 9670
<211> 417
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189077e06b1

<400> 9670

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cgaggaggcc ggggcgcggc agctgtcgtg ggcgcaggtg gagaggatga cgggcgggtt 180

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cgcgctcgcc gccgtcaagg tccaccgcag cagcgagcgc atccaccgcg tgtttcgtca 300

ggagctcgag acgctcctcc gcattcgcca cccgcacatc gtccgcctcc tcggtttctg 360

cgagcagcaa gatgagggcg tgctggtgct ggagttcgcg gcgaacggga acctgta 417

<210> 9671
<211> 374
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189077e07b1

<400> 9671

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catacattga ggaactcaag aaaacacatg gcgccatttc tgaatttgga aaattcaaag 120

tatactgact ctaccaagac agcatttaaa tcctccactc gtcttgagtg catgatgcaa 180

gactatgcga aaacactacc tccaacggca aaagttgggt ttacggtgat ggatgcttgg 240

cttgcatatg ctcctgtaaa gaacaattct gaagatgcat ctaaagttcc aaaaggcaat 300

ccttttcata gtgcaacctt aggagagatg gcaatttaca gggcaaacag cctcatttta 360

agaaaggccg gtgc 374

<210> 9672
<211> 468
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189077e08b1

<400> 9672

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acaaagaact actattatcc cattcctccg ggaattgggc gcacaactca gagcgctcaa 180

attggatatg gtaaagccac tgtagcggct tatggctaca attggaatgc aaataatcca 240

atagactgga tttccgacat gtttgtcgga gtccgagggt ctacggtttt gcatgccaat 300

gttgtgggac aaagcggtaa cacagtccag gtgaattcct tttctgctgc acgtgcttat 360

gtcccactac ccaatctttc gggaaactcc aatacgattt ccacttcggt ttctgtcact 420

gctggtctca ttaatgacat cagtcgggac gcattatcga atgcacca 468

<210> 9673
<211> 196
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189077e10b1

<400> 9673

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cacgtgtcct accttcggtt gtaagtaatt ctgtatagat aggcacccga tcaatggaaa 180

agttgtgttg aatcat 196

<210> 9674
<211> 259
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189077f02b1

<400> 9674

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ccgcacggcg gtgcgagccg gaccttcacg agagcgccga cccgcctcgc cgcgggctcg 180

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gccactgtgc cggtgacct 259

<210> 9675
<211> 364
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189077f05b1

<400> 9675

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gggggtgctg ttcgccaaga aggagatgcg gatcctgatg gtcggcctcg acgccgccgg 180

gaagaccacc atcctgtaca agctcaagct cggcgagatc gtcaccacca tccccaccat 240

cgggttcaac gtggagacag tagagtataa gaacatcagc ttcactgttt gggatgttgg 300

tggccaggac aagataaggc ctttgtggag gcactacttt cagaacactc agggccttat 360

cttt 364

<210> 9676
<211> 402
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189077f06b1

<400> 9676

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gctgaaagaa ggtacacagg gataattact ggaactggtg atgcagaccc tatgtggcgt 180

ggttcaaagt ggaaatgcct gctggtaagg tgggatgatg atggtgagtt tcgtcgacca 240

aacagggtat ctccttggga gattgagctg accagttcag cttcaggatc ccatctggcc 300

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ccacatggag gtggtcgccc tgattttgct gagtctgcac aa 402

<210> 9677
<211> 385
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189077f07b1

<400> 9677

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gctggtgtcg gcggccgtga tgctgtccct catcttctgg gtgatctacg ccagggagcg 120

gcgccaccgg gcgtacaaca aggcgcaccg gggcgacaag ccggcgccga tgggcgggaa 180

tgcctgatca gcgacgaccg tttcgcgcgt tcggtcgcca cggatggcgt cagtgagtgt 240

agagagtaga ggaccgccgc gtggttgact tgattgctgc ctgttgattg attctttctt 300

cgtttttgtg aatctgatgc ttgctagtat atttgtttgt gttcctgctc ggttgatgta 360

cagtttgtga tctactagga atgaa 385

<210> 9678
<211> 436
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189077f08b1

<400> 9678

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tcctcagaca gtgatgagag tgatgaagag cctccccaga aaaagcagaa ggatgctgcg 120

aaggttgctc ctaagtctgc caaaaaggac agcagcagtg atgatgacag ttctgatgaa 180

agctctgatg atgagcctaa aaaggaagtt acaactgcca caaaatcaca gaaggaagag 240

cctaatactc ctgctagcaa caaaggtcag gcaacagggt cgaagaccct ttggatgggg 300

aacctttcct tcaatattga gtatgatcaa gtgaagcaat tttttgcaca aattggagag 360

gtcgttgatg ttcgcctggc tacccatgaa gatggccatc ccaagggatt tggtcatgtt 420

gagtttgcta cggctg 436

<210> 9679
<211> 301
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189077f09b1

<400> 9679

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taacgtcacc aggtgcgtgg cggcgctgga ggaagccggc gtcgagtacg agctcgtccc 180

catcaacttc ggctccggcg agcacaaggg ccccgaccac ctcgccagga acccttttgg 240

ccaggtgcca gctttgcagg atggtgactt gtacgttttc gaatcacgtg ctatttgcaa 300

g 301

<210> 9680
<211> 486
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189077f10b1

<400> 9680

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tgatacaaac ctggtagtga tgaaggaatt gttatcaccg gtaagtgacc tttggagggt 120

ttttggtgtc gttggcattg tgggatgagc ctttgaagtc attcgtcttt tgcttgttat 180

cttcttctat tatcataagg ggatgggtag tctattttct tgttatggtc atactgttat 240

cagcaacggt catgctgctg acaagactaa ctagtcaagg aaagccaatg actgaggtca 300

aggtgacatc tccaccttca atgaacacta tggagcagct cttagctgtt caaaatgcta 360

tttccaaagt tgaagagctt gtccaggatg caaatattgt tcttctgaag ataagagctc 420

tactgctggc tttttcatct caggccacag acaaagctat ccttgcgctg ttattgatgg 480

ctcttg 486

<210> 9681
<211> 466
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189077f11b1

<400> 9681

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tacggcggcg gcggtggcgg ctacggcggc cagcgcggcg gcgactccgg cgggcagtgg 120

aggaactgag cggcggggcc ctccagttat cgatctatct accatctcgt cgtcttcgtc 180

agcaagttat cttcagtgtc gtcgtcgtcg tgttcctgtg tcagtcagtc ttgagtcgtg 240

tgtgtcgttc ggtcctgtgg tgtttttgat cgcgagctcg agtgtcgctc tgtccggggt 300

taattagagc tggttacgcg aggaagaaac aacatgtgtt atctttcagt cggtcgtgtt 360

cgtcggtgat gcagcaatcc cttctgtcat ggattgggat gtgatgttgg aatcctatgt 420

ttgaagtcag cttaaatgga tgaagaaaat gcaagtgata gctgcg 466

<210> 9682
<211> 268
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189077g02b1

<400> 9682

ggctgatgac ggccaccctg cacggcacgg gtgcttttgg cgtaataatg cccggcctct 60

tccagtcaac gtgagttggt ccgactgggc ggaggagagc gactcttatg tggcctggca 120

acctgtgtca atatgccttc gacgccacca aaggctggta caaattcaga aaaaaggacc 180

tagttggaaa tttgacattc gccaagagac ttggagaggg cactgttgat tcgcttgttc 240

ttgactggtc aattagcgat gggagatg 268

<210> 9683
<211> 287

<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189077g04b1

<400> 9683

ggctgtctcc ccgtgggcgc tcatcctcct cctggccgcg gtcttcaccg caggggccgg 60

cgcgacgacc ttctccatca ctaaccgctg ctcctacccg gtttggccgg cggccattcc 120

gggtgggtgg cggcagacgg ctcaacagtg gcgacacctg gaacctcgag gtccctggcg 180

gcaccagcgc cgtcaggatc tggggccgca cgggctgcaa cttcaacggc gacagaggga 240

gctgcgccac cggcgactgc gctggcgctc tatactgtgg cttgtcc 287

<210> 9684
<211> 92
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189077g05b1

<400> 9684

tcgtgatgct acagagccaa cagccgcccc cgtcgccgtc ttcatgaagc gaggcgcaaa 60

ggccatggca aacatcagga agagaccggc ca 92

<210> 9685
<211> 394
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189077g06b1

<400> 9685

cgtatggcga atcccaagag cgaactcaga tcatcctacg accagacgcg accacacagg 60

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agcttctgga ggagccggcg cggccggcgt actgccggag cgcgagcttc ggcagcctgg 180

tggcggacca gtggagcgag tcgctcccgt tccgtcccaa cgacgccgac gacatggtcg 240

tctacggcgc cctccgcgac gccttctcct gcggctggct ccccgacggc tccttcgcgg 300

ccgtcaagcc cgagcccctg ccctcccccg acggctccta cgacggctcc tgcctcggca 360

gcttcctcgc gccgccggcg cccgggccgg acgc 394

<210> 9686
<211> 454
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189077g07b1

<400> 9686

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aggaaacctt tgactcagtt gtccttgatg aaaccaaaga tgtccttgtt gagttctatg 120

ccccatggtg tggtcactgc aagagtcttg ctccgatata tgagaaggtg gcttctgttt 180

tcaagcaaga tgagggtgtt gtgattgcta atcttgatgc tgacaaatac acaagcctgg 240

ctgagaagta tggagtttct ggttttccca cattgaagtt cttcccgaag ggtagcaagg 300

ctggtgaaga gtatgagggt ggtcgggact tggatgactt tgttaagttc attaatgaga 360

aaagtggaac tagccgtgat tcgaagggtc agcttacttt aaaggctggg cttgtggcaa 420

gtttggatgc tcttgtcaag gattttcaca gtgc 454

<210> 9687
<211> 372
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189077g11b1

<400> 9687

ctcagattac accgcgctct cttcctccct tgggcataac aagacgaagc gccggacgcc 60

gctccgtccc atcccaccag ccaccggcgc ctcgggcctc ggcgccaccg cccagagttc 120

gttcgttccg gcgggactgt tggatcgatg gccgccatga aggtcgtgct gaagctggac 180

ctgcacgacg acaagcagaa gcagaaggcc atcaaggtcg tctccactct ccacggcatc 240

gaccagatcg ccgtggacac caaggacgac aagatgacgg tggtcggcac cgtcgacccc 300

gtccacgtcg tcggcaagct gcgcagcaag ctctgccgca cggcacagat cgtctccgtc 360

ggcccggcca ag 372

<210> 9688
<211> 379

<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189077h02b1

<400> 9688

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tcctccccgc aactcgctgc tcctcccaca accgaagctc actcccgtgg ccacgcagaa 120

caaaatgcag cgagcaattc aagctatcgg atcacatggc agtgtgctca aatctgctgt 180

cctgcaacac atcagtgttg tgaagcctgc tatgctgccc gctgtgttcc cacgcttcat 240

gtcagtatca tctgctcaaa tagaggagag tggatttgag agcagcactg ttgcagacat 300

tttgaagtct aaagggaaga gtgccgatgg atcatggctt tggtgcacca ctgatgatag 360

tgtctatgat gctgtcaaa 379

<210> 9689
<211> 412
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189077h05b1

<400> 9689

cgttatcaac tacgaggaga gcgacgacga ggagggcttt ttcctcccct ccggccaggc 60

ctccgcgccg cccccgtccg cggccggcga caccctggag gcactcaagg ggtttggtgc 120

agagcgcgag cgtcgcggag cggaaccttc tcgccgacgc ttccaggatc gccgagcggt 180

gcggccggac ctgcaaggga aaggccgagt gccgtcgcgc cgtcgccgac ggcctccggg 240

ccctcggtta cgacgccgcc gtttgcaagt cgcgctggga gaagactaag tcctaccccg 300

caggggagca cgagtacatc gacgccgtgg ttggggacgg agggcggctg atcgtggagg 360

tgcacttcag gtccgagttc gaggtggccc ggtcgaccaa ggcgtaccgc gc 412

<210> 9690
<211> 178
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189077h06b1

<400> 9690

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agttagcgta tacaagtggc gagcggtacc tagaggcagg ggagagggaa gctagaacag 120

tggtcgcggc catgggtgcc caggagatca agtacttctc gcaggcgaag cttggccg 178

<210> 9691
<211> 431
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189077h07b1

<400> 9691

tgttgccaat gtggcctgag ggtgttcccg agagtgcatc tgtgcaagca attctggact 60

ggcaaaggag aacaatggag atgatgtaca ctgacatcac acaagctctc gaggcaaagg 120

gaattgaagc aaaccccaag gaatacctca ctttcttctg cctaggtaac cgggaggtga 180

agcaggatgg ggaatatgaa ccccaggagc aaccagaacc tgatactgat tacgttcgtg 240

ctcaagaggc taggaggttc atgatctacg ttcataccaa aatgatgata gttgatgacg 300

agtacatcat cattgggtct gcaaacatca accaaaggtc aatggacggt gcccgggact 360

ccgagattgc catgggcgct taccagccat accatctagc caacagggag ccagcccggg 420

gccagatcca c 431

<210> 9692
<211> 317
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189077h08b1

<400> 9692

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acaatggaga ggatgtacac tgacatcaca caagctcttg cggcaatggg aattgaatca 120

aaccccaagg aatacctcac tttcttctgc ctaggtaacc ggcaggtgaa gcaggatggg 180

gaatatgaac cccaggagca accagaacct gatactgatt acatccgtgc tcaagaggct 240

aggaggttta tgatctacgt tgataccaaa atgatgatag ttgatgacga gcacatcatc 300

attgggtctg caaacat 317

<210> 9693
<211> 177
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189077h09b1

<400> 9693

gtagcgcaac caccatgacg cctacccgct acctcgcggt gctggccgcc gccgccgcgc 60

tactcttcat gctcggcggc ctgcacggcg ttaaagcggg gccggcggac acctgactgc 120

gccgttgccc agacggcgtt cggcgactgc accggatacg tcgccggcgt ggaggac 177

<210> 9694
<211> 281
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189077h10b1

<400> 9694

tgttctcaga cacttctccc gtcccgtccc caggcgacct tctatccccg tctcgcgtcg 60

tatcggcagt tccactccct cgccatgggc aagattaaga tcggaatcaa cggttttctg 120

atgggatcgt gaggctctgt cgccagggtc gccctccaga gcgacgatgt ctagctcgtc 180

gccgtcaacg acccctttat caccaccgag tacatgacct acatgttcaa gtacgacacc 240

gttcacggcc actggaagca cagtgacatc aagctcaagg a 281

<210> 9695
<211> 197
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189077h11b1

<400> 9695

gtacagcggg ttgggggcgg agatgagctg tgtctatgtg ggccaccacc accaccacca 60

ccaccaccga ttcgttccgt cgcagaataa aaaaaaaaca caccactacc acattgtact 120

ggttctacat caccaggcgg aagccccccа gcccttcccc aattcattcc gttcgttccc 180

cattcccctc ccgcaat 197

<210> 9696
<211> 216
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189078a04b1

<400> 9696

tgcaggtggc ggagcggatc ccgtacgtgg gcgtggactt ggagttcccg ggcgtgatcc 60

actgccccag caagcaccac gcgacgctga ccccgtcgga gcggtacgcg gcgctcaagg 120

cgaacgtgga cgcgctccac ctcatccagg tgggcctggc gttcgcggcg tcccccgacg 180

cggcgccggc ggtggcgttc gagatcaacc tgcgcg 216

<210> 9697
<211> 88
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189078a06b1

<400> 9697

cccacagcac ccgcagcagc cggtcgggga tgatttacga ccaggccgtt tccaagtccc 60

gcaaggtgat ctccatcctc gaccgtac 88

<210> 9698
<211> 284
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189078a07b1

<400> 9698

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ggcacccaac acaagccctt ctccgatcgt gctcgctcgc cgccggtact agtctagtag 120

agcagcgggg aggagctccg agatgagggc gccgcggagg ccgatggcgg tggtgctgag 180

ctgggtgcgg aggcagccgc ccaaggtcaa ggccttcctc gccgtcgtcg cgggcatgac 240

cgcgctcgtc ttcattcgct tcatcgtcca cgaccacgac aacc 284

<210> 9699
<211> 251
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189078a10b1

<400> 9699

tcgcaactac agagggctcc ggggagagat gtgggatttt ctgaatggta tcctctttcc 60

gagaaagaaa tcggtgttcg cccagcagta gcacccgagt ctcgccggat taatggaagt 120

gcaggatcat ctttcgagga cttccagatt ctccatggag atatgcaagg attaaccgat 180

actatggctt tcctgacaag tttatctggg cttgttggaa acgatccgag gatccctgag 240

aagcaatccc g 251

<210> 9700
<211> 161
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189078a11b1

<400> 9700

ccacccagcg ccctggctgc tcgccaccgg cgagctggtg ccgcgactcc accatgaagc 60

tgaacatcgc gaaccccacc acggggtgcc agaagaaggt cgagatcgat gacgaccaga 120

agctgcggaa cctttatgac aagagaatct cccaggaggt a 161

<210> 9701
<211> 285
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189078b05b1

<400> 9701

tggctcccca gcagcacccg cagcagccgt tcggcgatat ctccgaccag gccgttttca 60

agttccgcaa ggtgatctcc atcctcgacc gcaccggtca cgcccgcttt cgccgcggcc 120

ccgtccagtc ggcgcctccg ccgtcgcctt ctccagcacc ggtcgctcca cctcctcccc 180

caccttttgac cgtcgtggcg ccggtgtcgg tggccgcccc gctcccgcag ccgcagagcc 240

tgacgctgga ctttaccaag ccgaacctga ccatgtcggg cgcga 285

<210> 9702
<211> 192
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189078b06b1

<400> 9702

tggacgcgtg ggtgcgagtg atggatgcct aggcgcacac gaccgatgaa ggacggggac 60

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gcaaccccac caccgtgatg ggtggtgatc ctgtggtgaa tctatagtca caggaagggc 180

accgggggaa ct 192

<210> 9703
<211> 306
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189078b07b1

<400> 9703

atcggcaagg ctgatgttgt tgtcagaggc tatggtgggt acaactcaag atgggccctg 60

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tttggcgcta atgatgcagc gcttccagga cgaacaagtc agcggcaaca tgttccggtt 180

gaggagtata gacagaatct caaaacaatt gttaatcatc tgaaggattg ttccaagtcc 240

atggtaattc tgcttatcac tccacctcct attgatgaag atggaagaga aagatatgca 300

cgatcg 306

<210> 9704
<211> 394
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189078b08b1

<400> 9704

ttctgcccac gcgtccgctc gaattcttat cgatactgga tctcagagca taggagggaa 60

agtcgattta tggatggaat caaatacgca gtatttacag aaaaaagtct tcgtttattg 120

ggaaagaatc aatatacttt taatgtcgaa tcgggattca ctaagacaga aataaagcat 180

tgggtcgaac tcttctttgg tgttaaggtg gtagctgtga atagccatcg actacctgga 240

aaaggtagaa gaataggacc tattctgggc catacaatgc attacagacg tatgatcatt 300

acccttcaac cgggttattc tattccactt ctagatagag aaaaaaacta aaggagaata 360

cttaataata cggcgaaaca tttatacaaa acac 394

<210> 9705
<211> 355
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189078b10b1

<400> 9705

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cctcctcgct ccctgggcga gcgagattga tcctcctccc tgccctcgcg ccgcaagtat 120

ctgacaggcg cgctgatttg ggggggatgg gctgcttcgg gtgcttcgcc ccggcggcgc 180

gccgaggggc cggcgacctc aagccctcca agctcgccca ccactgcacc gacgacgact 240

cagtcgcgga cccgcagagg aaggtggcgc cggacgtggg gagcggctgc gcgcacagct 300

tcaccttcaa ggatctgctt cgcgccaccg gctacttcaa cgaggccaat ttcat 355

<210> 9706
<211> 285
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189078c04b1

<400> 9706

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cattgagaag atggtccagg acgcagagaa gtacaagtct gaggacgagg agcacaagaa 120

gaaggttgac gccaagaact ccctggagaa ctacgcctac aacatgagga acaccatcca 180

ggacgagaag atcgcctcca agctgcccgc tgacgacaag aagaagatcg aggacgctgt 240

cgacgctgcg atccagtggc ttgacgccaa ccagcttggt gaggt 285

<210> 9707
<211> 325
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189078c05b1

<400> 9707

tccacgcgtc cgcggacgcg tgggtggtcc cagtgttctg ttcgctagtg attcatggat 60

cagcactgat gacatgaggg ctcagtatct gcgaagtaag ggaatattag tctggaagat 120

ggacaaccgg ggatctgcac ggcgaggttt gcattttgag ggacagctta agtacaacat 180

tggtcatgtc gatgctgagg atcaactagc tggtactgag tggctaataa agcaaggcct 240

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gtgcctatca aggttttccg acaca 325

<210> 9708
<211> 305
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189078c06b1

<400> 9708

tgccatgcgc gccgaagaga agccccatgc cgtgtgcttt tcgaacccgg cgcaggtgca 60

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cgtctacacc gagcacaacc accggcgcct cgtccgttcc cgcggcccag gtgctgtcgc 180

tggcctcccg gactttcgct tcgccaccat ccccgacggc ctgccgtcgt acgaccccga 240

tgccacccag gaccaggcgt ccatttgcca ctccaccacg accacctgcc ttccccacct 300

gaaga 305

<210> 9709
<211> 292
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189078c09b1

<400> 9709

ggagagaaga gtgtcatcaa agaaggtcac aaaagcttcc caagtggaca ctcatcatgg 60

ccttttgccg gcctaggctt tcttacgtgg tacttgactg ggaaaatcgc agtttttgac 120

cgtaaaggtc atattgcaaa gctttgtatt attgttctgc ctctacttac tgctgcactt 180

gttgctgttt ctcgagtgga tgactactgg catcactggc aagatgtggt tgcaggagct 240

gttttaggtc tcacagaggc ttcattttgc tacctgcaat ttttcccata cc 292

<210> 9710
<211> 357
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189078c10b1

<400> 9710

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ggatgggcaa cccggagaag ctgatggcgc agatcttcga cctcaagtca cgtccaagtc 120

gctgcagcgg caggcgcgca agtgcgagaa ggaggagaag gagcagaagc tcaaggtgaa 180

gaaggccatc gagaagggca acgtggacgg cgcccggatc tacgccgaga acgccatccg 240

caagcgcacc gagcacatga actaccttcg tctcgtcttc cgcctcgacg ccgtcggcgc 300

gcgcctcgac acgcaggcca agatgcaggc catcggcaag tccatgggca gcatcgt 357

<210> 9711
<211> 246
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189078d02b1

<400> 9711

taccgccacg ccgcgcggcc catcccctga cgacgacggt catggcggcg gcgatgtcgg 60

tgtcggccgt ggtcccgccg gcggcggcgg tggcgcgcgc gcggacgctg ctctgcgtac 120

ccgccacggc gcgcgcgccg cgggagatgg cggcggaggt ggctgccgca gccgcttctc 180

ggcgccgacc tggctgaact ccgcctcgac cgcctagccg ggttcgcccc gcgccgggac 240

ctgccc 246

<210> 9712
<211> 378

<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsrow189078d05b1

<400> 9712

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cgtcgccatc gagaaccccc aggacatcat cgtccagtcc gcccgccccc acggccagcg 180

cgccgtcctc aagttcgcgc agcacaccgg cgccaacgcc atcgccggga ggcacacccc 240

tggtaccttc accaaccaga tgcagacctc cttcagcgag ccccggctgc tcatcctcac 300

cgacccaagg accgaccacc agcccatcaa ggagtctgct ctggggaaca tccctaccat 360

tgccttctgt gacaccga 378

<210> 9713
<211> 97
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189078d08b1

<400> 9713

tttgtcgccc gcaaccacca ccaccggacc accgagaccg gtgttgaagg cacgatgagg 60

gagatcctgc acatacaggg cgggacgtgc gggaacc 97

<210> 9714
<211> 277
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189078d09b1

<400> 9714

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cggcggcgat gggcaacccg gagaagctga tggcgcagat cttcgacctc aagttcacgt 120

gcaagtcgct gcagtggcag gcgcgcaagt gcgagaagga ggagaaggag cagaagctca 180

aggtgaagaa ggccatcgag aagggcaacg tggacggcgc ccggatctac gcctagaacg 240

ccatccgcaa gcgcaccgag cacatgaact accttcg 277

<210> 9715
<211> 397
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189078d10b1

<400> 9715

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tcgcctcgtc tctcctctcc tcgcagatct ttcccgtctc cggtcaccat gaactcctac 120

tccggcgacc ggtcctcctc ccgtcccacc acaacctcct tcgactccta ccagtttgac 180

ttcggggcca acgcctcccg ctcctccacc tcccgccccc tccgcgacca gaggccaggc 240

ggcgccacca acccttcacc gaggccaacc accacaaaca catggtcaca ccagccggtg 300

aagacgtcct ggactcatca gccatccccg tccgtcgccg cggcgctcgg atccgggcct 360

gtgtccatgg tcggcgacat ctccggccgg agctggt 397

<210> 9716
<211> 60
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189078d11b1

<400> 9716

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<210> 9717
<211> 380
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189078d12b1

<400> 9717

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acctccctcc tccactcccc ccgcacccga ccccttcgcc cccgagcttg tttctccagc 120

taccgcaccg gagcggcatg gcgctcacgc gaccatcgac gggctatgaa ggaggaggag 180

acatggcatg gaggtggtgg ccacttggta gccttcgtct gcagcgccat accactgtcg 240

gggtgccgcg caagaggtca ggtccgtcgc caccgcgagc caggggacgc tcgttggtga 300

tcctacgtgc aggaagccaa cgggggggcac ggtatcaaca agccgacagg aggcggggtc 360

ttcccactgg gatggaggag 380

<210> 9718
<211> 183
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189078e01b1

<400> 9718

tggatggcgc aagggatgac aagtatggcg gtagcatctg cagcagacgc tatgggcctg 60

accgcggagg tgaacgctat tctggaagtc gagatggagg aagccccggc agcggtggcg 120

gcgatcgata cagccgagac aggcctggac cgtatgatcg acgcagccga gatgaatact 180

gat 183

<210> 9719
<211> 371
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189078e02b1

<400> 9719

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tagcttccat cttctcgatc tagctagagc catggcgccg accaagggcg aggggccggc 120

catcggcatc gacctcggca ccacctactc gtgcgtcggc gtgtggcagc acgaccgggt 180

cgagatcatc gccaacgacc agggcaaccg caccacgccc tcgtacgtcg ccttcaccga 240

ctcggagcgc ctcatcggcg atgccgccaa gaaccaggtc gccatgaacc ccatcaacac 300

cgtcttcgat gcgaagcgtc ttatcggcag aaggtttgct gatgctcctg tccagagtga 360

tattaagatg t 371

<210> 9720
<211> 317
<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189078e03b1

<400> 9720

tgcctcccct cccctccatt ccatctccaa cccattaaac aaccggagcc gtcctcctcc 60

tcctcctccc cccaccagat ctcagatccg cggagctccg ccgcgcctcc catggcggtc 120

aaggtctacg tcgtgtacta ctccatgtat ggtcatgttg ctaagctagc tgatgagatc 180

aagaaaggtg cttcatctgt cgaaggcgtg gaggttaaag tgtggcaggt ccctgagatc 240

ctgaacgagg aagtccttgg caagatgggc gccccgccca agaccgacgt gccggtgatc 300

tccccgcagg agctggc 317

<210> 9721
<211> 362
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189078e04b1

<400> 9721

ttccgacccg accatgtccc tcaagatcaa gcgcggtctg cgcgagagaa tcgtggagtc 60

cgtctccgag gccatggccc agctcgagat cgaggactcc tccgccgagg acctcaagaa 120

gaaggagctc gccctcaaga gactcatcac caaggccatg tcctcccgat aaatgtatcg 180

cttccttccc ttttttgctg gctctggcgt ctttttttga gattcctttg tttttcggaa 240

aagcaagaaa atatcttccg ggggaaaaaa aaggggcctt ctgtttctcc agcccagatc 300

tcggtaccat gatctggcac atgacttgat gccctttttt gatacacact tacgatagac 360

ac 362

<210> 9722
<211> 220
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189078e05b1

<400> 9722

gccggcgccg acccggtcct ggccgcctcg tgcaccatca tcagcctgca gagcctggtg 60

tcccgggagg ccgacccgct ggactcgcag gtggagccgg tggccatggt caactgtagc 120

ggcggcgacc cggcggatcc gttggtgctg ggcggcacgt tccgggcctt ctcgaacgcg 180

agcttctaca cgctgcggcg gcggatcgag gaggtgatga 220

<210> 9723
<211> 237
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189078e07b1

<400> 9723

ggagtcatac tatccattta acttccttaa caacaattac tcaattgccc catgtggaaa 60

tgtccttgca agacactgag gcggagctgg tcataccata tatagctaca accactcatt 120

atagtgcctt gactggtttc tatgattggg gtacagactt ttgttatgtt tattccccat 180

tagcaactgg tacggctagc aatactgttc gctatactgc ttggatgagc tttgatg 237

<210> 9724
<211> 327
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189078e08b1

<400> 9724

cacgcgtccg cccacgcgtc cgacagagtg ctgtcattga tccggcggca gtgctgggat 60

attttgtacc atcaacgtat cagaaatgga gcctctcaga gatcatggcg cgagctgctt 120

gccgatgatg atcatggcgc tgctgtgcct gggcggcgcg gcttgtggcc agctgagcga 180

cgacttctac gacgacagct gcccgaagct ggagagcatc gttcaggcgc gcgtggccgc 240

cgcgatgaag gccgagctac ggatgggcgc ctccctgctc cggctccact ttcacgactg 300

ctttgtcaac gggtgtgacg ggtcgat 327

<210> 9725
<211> 238
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189078e09b1

<400> 9725

ggcagctcca aggggctgac ctcggccatg tccaatatcg cgcgcggctc gagccggatg 60

gccgagagcg acggcgctgc taaggacaag ccctagcacg atctgtgact gagggagaac 120

gcacacacaa gacggacatt gccagtgagc tcatattttg gattccccgg cttctgaaaa 180

tcccagatga tgagaagaga aacgcgaaaa ttccatggaa gctttaggta ggaaccaa 238

<210> 9726
<211> 92
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189078e10b1

<400> 9726

tgcgttcgcc cacgcgaacg gccacgcgtc cggctcgcca ctgtaccact agttccacca 60

ctgccccccc ggcctgctgc tgcagctgca ta 92

<210> 9727
<211> 84
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189078e12b1

<400> 9727

tcgcccacgc gtccggccgg gcagtccggc gagggcttta tctgcggcta caactgcaag 60

tgcaacccct gcaactgtta agct 84

<210> 9728
<211> 229
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189078f02b1

<400> 9728

acacgacgca aaaacttctg aaactgagct tttgtaggca catagagctt cttaagatga 60

gcgtggagat cctggacggg aggacggtgc agagcttctt agaggacgag ggcgccttca 120

acgactccgt cgacggccga ttcgctgcgc tcgacgccga ccacgacggc ctcctctcct 180

accccgagat ggcccgggag atcatgagcc tccgggtcct cgagaagca 229

<210> 9729
<211> 281
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189078f03b1

<400> 9729

tcaccgaccc gaccatgtcc ctcaagatca agcgcggtct gcgcgagaga atcgaggagt 60

ccgtctccga ggccatggcc cagctcgaga tcgaggactc ctccgccgcg gacctcaaga 120

agaaggagct cgccctcaag agactcatca ccaaggccat gtcctcccga taaatgtatc 180

gcttccttcc ctttttttgct ggctctggcg tctttctttg agattccttt gtttttcgga 240

aaagcaagaa aatatcttcc gggggaaaaa aaaggggcct t 281

<210> 9730
<211> 101
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsrow189078f04b1

<400> 9730

tcnttgacac caccgcagtc accgcccgga gcagagaagt cagggaggga tcgatcgcgg 60

acgatggcgg cccggggaag cggcgcggag gaggcgcctc c 101

<210> 9731
<211> 282
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189078f05b1

<400> 9731

tgatcggcgg cggcggcggc ggcagcggga gagagatttt tggagagagc tccagccatg 60

gtgcacgtca acttctacct gaactatggt aagacattca agaaaccaag gctgttctta 120

tgagaaggag cgttttgatg cagaactaaa gctggatggt gagtatggac tgaggtgcaa 180

gcgtgagctc tggagggttc agtatgcatt gagcaggatc cgtaatgcgg caagacactt 240

gcttacactg gatgagaaga atccccgccg tatctttgag gg 282

<210> 9732
<211> 284
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189078f06b1

<400> 9732

tgctgcggcg gcggcggcgg cagcggaaga aagaggtttt tgctccagtc ttggtgcacg 60

tcaacttcta ccgcaactat ggttagacat tcaagaaacc aaggcgtcct tatgagaagg 120

agcgtcttga tgcagaacta aagctggtcg gtgaatatgg actgaggtgc aagcgtgagc 180

tctggagggt tcagtatgca ctgagcagga ttcgtaatgc tgcaagacac ttgctcacac 240

tggatgagaa aaatccccgc cgtatctttg agggcgcggc cctt 284

<210> 9733
<211> 265
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189078f07b1

<400> 9733

gcccacgcgt ccggcgagag atcgcatgaa tggtgtttat ccagaggacc tcagttgtcc 60

tatagaaata tgtaggttat ctacggtggt tgtttcgcga tcatttgct atattgatca 120

gcctgatgct ctctgggccc gtgagatttt gttgccacag atcagttgat cttggttctg 180

aactctgctg ttgtaacttg taagtcttcc atcaaactgg caatgtctca ttttcaccca 240

ttggtgtatt atattccttc cattc 265

<210> 9734
<211> 241
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189078f08b1

<400> 9734

gccacgcgtc cgggagagat cgcatgaatg gtgtttatcc agaggacctc atttgtctat 60

agaaatatgt aggttatcta cggtggtcgt ttcgcgatca ttttgctata ttgatcagcc 120

tgatgctctc tgggcccgtg agattttgtt gccacagatc agctgatctt ggttctgaac 180

tctgctgttg taacttgtaa gtctttcatc atactggcaa tgtactcatt ctcacccatt 240

g 241

<210> 9735
<211> 312
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189078f09b1

<400> 9735

atcgcggacc cgtgggtctg gctttgctct cgtcttcctt aaggccatcc atcctgcctt 60

ttaaatcagt atttctcctg gctggaatgc tcgatccttt cgtggcttaa ctagaactta 120

agccaataag tagctattat gtcgagtagc tgcatcttca taatgctcta ttcatgttta 180

gcttatcctt tggtgtgctt tgtcatgagt ggagtcccag gttgctttat ctctagctta 240

aagctagagt agcctcactg cttatggacc aaattatcta gtctgcatct ctattctaca 300

gaatcatata tt 312

<210> 9736
<211> 241
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189078f10b1

<400> 9736

acgaatgagc tccatatgct ccccttgggc atgtttgtcc tcctgatatc gatgaccata 60

gccgattgct tcaacaaagg tgtgtatgac cagatcgtgg tgatgaaagg cttgccattc 120

atggaggctc atgctgaacc tgacatgagg cactaggtag ctagtgatgt tgtgtctggg 180

ccactcatct ccttttcggg tgttgagaag gtgggcaaca tcgttcatgc gttaaggatc 240

a 241

<210> 9737
<211> 192

<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189078g01b1

<400> 9737

actagcgctc gtcacccccc accactgcct ccgagcatta catgcgtgcc tcccccatct 60

tctccctccc cgcaactcgc tgctgctacc acaaccgaag ctcactcccg tggccacgca 120

gaacaaaatg cagcgagcaa ttcaagctat cggatcacat ggcagcgtgc agaaatctgc 180

tgtcctgcaa ca 192

<210> 9738
<211> 267
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189078g04b1

<400> 9738

tccacgcgtc cgccccagac cacgcagttc gtgcccactt cggcctcggt ctctgtgccg 60

cagccggcgg cggccagcaa gacacctgct gcccctacga gttctacaac tgctgctgct 120

gctagtgcgg cgcccgttgg ctcttcttcc aagaaagaag aagagaagaa ggtcgagaag 180

cagactccgg agaaagccgc cgctgcagca gcgcccactg tggccgaccc tctcggcagc 240

gcgaggggga aggtgcagga ggaggtg 267

<210> 9739
<211> 358
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189078g06b1

<400> 9739

tcattctgct attggagatg tcatctttgc tttggccctt tagaatgctt atgtgcccta 60

cagaaacagc aaactgactc aagttcttca gagctcttta ggtgggcaag caaagacgct 120

aatgtttgtt cagataaacc ctgatgtgga atcatgttca gaaaccataa gtactttgaa 180

atttgctgaa agagtttctg gggttgagtt aggtgctgca aggagcaaca aagagggcaa 240

ggatataaaa gatctgctag aacaggttgc gtttttgaaa gacacaatat cgcgaaagga 300

tatggaaatg gaacagcttc aagtcaacca aagtcaaatc tcccagttca ttaacaga 358

<210> 9740
<211> 243
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189078g07b1

<400> 9740

gtcgctccct ctcagctcgg cctctccccc tctccgactt tttccgtccg tccggccggt 60

ggaacctagg cggggagggg cagggatgac gacgctgggg aagaggcacc ggaacagcag 120

ctccatgcgg cggaccacca gcatgtcggg cttcgcggtg ccgccggagg aggaggcggc 180

cgggcgccag cccacgcggg cggacagggg cgcctcggcc gtgccggcgc agacggagtg 240

ggg 243

<210> 9741
<211> 242
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189078g08b1

<400> 9741

ccccccccttg caaccatcac tttcattcaa catgcatcac gaaatggcta cgcacgcacg 60

caaactgtac actttgcaag tacaacattc tcaaaggcag tgaaaactga aaactcaccg 120

aggacttaca ctgacgtaac ttccatactc aaggcctgta tgcatgaaca tcctggagca 180

agcagcaagt gagaagcctt gtgattcccg tctgtttgta aactgatgat atcaatgaga 240

gt 242

<210> 9742
<211> 407
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189078g09b1

<400> 9742

tttctagctc gcagccatcg gacgtcgccg tccgtgcgaa gtgccgccgc ccgaacctcc 60

caccacagca cgccgcaatg gaggccgacc gcccatggca tcgcccgagc tcacctccca 120

gcagtcattc tcctttgaat tcgtcgggat ccggctggat ccggacgcca gcgccccgtt 180

cctacctccc cacctcgctt gggtcgtcgg ccagctcgac gatgtcagac tgctcgcggg 240

atccagcgcc accgctggct ggccacttcc tcctggagga gacgccccca catcggcgcc 300

tccccatatg agcagcagca gcgaacgcct cgctaagggc atctctggtg gtgtttcttt 360

ataaattgtt ttaaagaagt ttgccagatc tgtgactgaa aaacaat 407

<210> 9743
<211> 330
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189078g10b1

<400> 9743

tgtcgtcacg cgtccggtca gaattctggt tgacggggat gtgaagagca aagcacactt 60

cctgtccgct gatgattttg agccagcact tattccatca aagactattc ctgaccctga 120

cgacaagaag ccagaggact gggacgagag agctaaaatc cctgacccag ctgcagtgaa 180

gcccgatgac tgggatgagg atgccccaac agaaattctg gatgaggagg ccaccaagcc 240

agaaggatgg ttggatgatg agcctgagga agttgatgac ccagaggctg ataagcccga 300

agactgggat gatgaggagg atggcgaatg 330

<210> 9744
<211> 300
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189078g11b1

<400> 9744

aactgctcgg gcggcggcaa cgagcttttc aagctcaagg tgatttccgg caggacgtac 60

atgctgaggc tcatcaacgc ggcgctcaac gacgagctct tcttcgcggt ggccaaccac 120

acgctcaccg tcgtgcaggc ggacgccagc tacgtcaagc cgttcgccgt caccacgctc 180

gtcatcttgc cgggccagac catggacgtg ctcctcaccg aggccaccaa ccccgtctcc 240

acggtcttcg ccattgccgt cgcgccctac accaacaccg tgggcacctt cgacaacacc 300

<210> 9745
<211> 53
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189078g12b1

<400> 9745

tgtcgaaaaa aaaaaaaaaa aaaaaaaaaa aaaaggaaaa aaaaaaaggg cgg 53

<210> 9746
<211> 208
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189078h02b1

<400> 9746

ctcgatcttc cggaagcatt gcagaccatt ttgctacccg gatgagcatt acataccgac 60

ctatcttcat cttttccacg ggtcgctcaa cgccaacagg accatcacat gggttgattg 120

gtcaagagga ggcccacatc cagcaagata tggtgctgga aacatcaatg tggatttcat 180

caaggccatc aggaacaacg gtacgcag 208

<210> 9747
<211> 143
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189078h03b1

<400> 9747

tagcacccgc caccccgcta acagttaacc cggaaatttt gccggcgcgg gcattttcct 60

ccacctttcc gccatggcgg actcggcggc gcgctccctc gcgctcttat cctacgacgg 120

ctcgctcggg ctcggccgcg cct 143

<210> 9748
<211> 332
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189078h05b1

<400> 9748

ctgatctgaa gagcaacact gaaggctctt tttttcggtc agttgagatt gccatacctg 60

gtgctgacct ccccaaactg aaggatgtga gcgaatcaac tttaaagaac ggtactattt 120

cagggagctt ggaaccaaaa gttgctaggc ctgatcagtt gaagaagaag cggaagaagg 180

cagactcatc taaggctgtt catccaaaca atgctgacta tggttacaac gttccatttg 240

accctgcata ttgtaaccct ttcaatggtg catattcaat gggtccattt ggtgtacctg 300

atccatacat gtacggctca atgggcatgc cc 332

<210> 9749
<211> 210
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189078h07b1

<400> 9749

tatcgatggc tcctcacgcc gctggcctcc tgtggctctt tttgctcacc acctgcgcgg 60

tggacacgca cctccacttg ttcctccacg acgaggtctc cggcagcaac ccgacggcgg 120

agcaggtcat caagggtcct gcctagtcgt ccaacgccct cccgggcgtg gccttcggcg 180

acacgaccgt catcgacgac gcgctgacgg 210

<210> 9750
<211> 277
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189078h08b1

<400> 9750

tgatcggtca gcgagagagc agacggcgcc catgggttcc tttatctgcc ccggcagcag 60

cttacccagg aaggcagccg cgccaagaac cagcaacaaa acccgagcgt aggagacgag 120

aggagaagag agaacctatt ctccccccac tcccactcct cgccacactt ggagagtcgt 180

cggacgatcg gcgccagtgc acaatgtttc aagggtgcgg cctgttcgcg tgcgtgagcc 240

ggcgcggcgc cgacgttagg aagcggggcg aggcggg 277

<210> 9751
<211> 130
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189078h09b1

<400> 9751

cttccaagaa atagaaatgg cggcgtgcgg caaagccaca cgtttggtgg cttggccttg 60

ctgctcctcc tgtggggtgc caggccagcc cttttggcac tggagacggt actaccacac 120

aagtgccccc 130

<210> 9752
<211> 191
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189078h11b1

<400> 9752

caaggcactt ttctgtcgcc aaaggataaa ggtgctgctg aagaaccttt gaaggctgtg 60

ggcacaaaac ggctgcatac tgatgctcct tcaagccccg cttatcataa tgtttatgta 120

cggcgaaagg tggcaaccga acataataaa gtgaactcgc ctccggagat gaaggttatt 180

ggcaaggaca a 191

<210> 9753
<211> 435
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189078h12b1

<400> 9753

tcgtcggaag accttatatc caatgtacac ttattccaaa ttttttacgg aagtggaaga 60

aaataccatt tatagttcag agaaacttca gaacctaggg tggaccttca ggcctttaga 120

gaagaccctg ggggacagcg tggaatccta caaagcatct ggcgtcctga actgagcatc 180

caaccaggga aagtttggct gttaatgctt gcaaactcct tgtggttcat gtaagcagtg 240

aaacaaaata agttggtgac acaatcgtca cgagagtctg tgtgaacatg aacaaagcat 300

gaatcgtatg cgcgcctttc ttttggtgtg tcttgacttg aggtgtatgc agcaccttct 360

tttggtgtgt cttgacttga ggtgtttcga ggcatagtgg aatgtcctgg tggttctatg 420

agtgggtgct tgcac 435

<210> 9754
<211> 379
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189079a01b1

<400> 9754

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ccagagcatt attatctggg agattgggta ccacattggt ttccatggaa agatgtgttc 180

ctaatgcccg tgcagtggca tgctttatcc cttggtttat ttgcatcgat aatcgcacca 240

tttggtggat ttttcgcaag tggcttcaag agggctttca aaataaagga ttttggggac 300

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tttgcataca tataccacc 379

<210> 9755
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<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189079a04b1

<400> 9755

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tccggccgta tccgattccg ccggggccgg gcgtggatac ctaggctagg ctaggcgccg 180

ccgatgtcgg actgcagcac gggcacggac tcgccgtggg ccgactccgt cga 233

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<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189079a06b1

<400> 9756

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ctgggactcg catatcacga tcgggccacc aaaatggcaa gggcctgaag agcaggatag 180

ccgatggttc gaaccaatca agtggaagaa ttttgctcat gtcagcactg cgcccataga 240

gtacaccgaa acaaatatca cggatctgtc tggcgtttat attgtcacgg gagcacagtt 300

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<212> DNA
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<223> Clone ID: uC-tsrow189079a07b1

<400> 9757

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atactatgtg tgtatgcact ttttagatgg ggtatgtgaa gtgcagtgag ttactgttgc 180

tagcctgagt tgtgtgtacg taatagaagc cctcgtgtaa ggaaactgct taaaacttgt 240

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ttggctttag ccacaccaa 319

<210> 9758
<211> 412
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189079a08b1

<400> 9758

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cccaggatgc cgacagcaag gtcgcctgcg agaccgtcac caagaccaac atggtcatgg 240

tcttgggcga gatcaccacc aaggccaccg tcgactatga gaagatcgtg cgcgacacct 300

gccgcaacat cggtttcatc tctgatgacg ttggtctcga cgccgaccgt tgcaaggtgc 360

tcgtcaacat cgagcagcag tcccctgaca ttgcccaggg tgttcacgga ca 412

<210> 9759
<211> 343
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189079a09b1

<400> 9759

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gagcagagga ccaagctcgc aatgggcatg ggcatggctt ctcccttgct ttcctgcgcc 180

atcatggcac tcctagccgc cgtgctttcc ccgccatccg tcgccggcga ccccgacttg 240

ctccaggaca tctgcgtcgc cgacctcact tccgccgtga aggtgaatgg gttcgcttgc 300

aaggccactg tgaccgatga cgacttctac ttcaaggggc tgg 343

<210> 9760
<211> 331
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189079a10b1

<400> 9760

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gcctgcttac cgcccagata gtgagcccct gagctcctga agaaaggaca gttgaaggag 180

atgaaagaag cgaacacaaa ggatcctacg ccaaagaatg aagaggccgg ggaaatgatt 240

gaaggggtg cgtggaggac atgtgcatgg cggaagctgg cgtgatgact gcgaaggtca 300

aaggagagaa ggcttgcact agactcattt t 331

<210> 9761
<211> 295

<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189079a11b1

<400> 9761

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gatccacatc ggccaggccg gcatgcaggt cgggaacgcg tgctgggagc tgtactgcct 180

cgagcatggc attcagcctg atggccagat gcccggtgac aagaccgttg ggggaggtga 240

tgatgctttc aacacctttt tcagcgagac tggggctggg aagcacgtcc cccgt 295

<210> 9762
<211> 432
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189079b01b1

<400> 9762

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aaggggaaat taactcagag tcatcagctg atgactgtat tctacaagca actatgttcg 180

ctctcaatgc gttcctgaga ggtggtggga aggtcgggaa acaagcagtt gagcaaagct 240

acccttctgt cctttctgca cttatactga agctgggagg tcttcacggt cttgctgaat 300

taggccgcaa tgagcttcta cgatcgttgt taattgcatt ccagtcattc tgtgattgtg 360

ttggcgatgt cgagatggga aagatattag ctcgagatgg cgaacgaact gagaaggaga 420

agtggattga tc 432

<210> 9763
<211> 407
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189079b02b1

<400> 9763

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acatatcctt ctccctcaaa cccgcctcca cttctctctc cgccgccaat gcgccgccgc 180

ccatcgtcgt cgtgggctcc gccaacgcgg acatctacgt cgaggtcgac cgtctccctc 240

ttgtcggcga gacggttgcc gcgagtgccg gtcacagcct cgccggcggg aagggcgcca 300

atcaagctgc ctgcgggggg cggcttgcgc tggggcccac ctacctcgtg gcgcgcgtgg 360

gggacgacgc caacgggcgc ctcctcgagg gggcactcgc ggacgcc 407

<210> 9764
<211> 395
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189079b03b1

<400> 9764

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agtgccacaa ggagatggcg atgaagcagg agcaggccaa gctggctgcc tcctctttcg 180

acagcatcgt caacggtggc gatgccgcga aagaacacct tgctgctggc agcacggcgg 240

tggcagctgc tcacgttgag gcgaagacgc ttattaccgc acagcctgct gatatcgccg 300

gtcccagcga ggcggcgatg gagaacccca aaggcccaag ccggtgcagc acctgcagaa 360

agagggttgg gctgaccgga ttcaactgcc ggtgc 395

<210> 9765
<211> 345
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189079b05b1

<400> 9765

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actgggactc gcatatcacg atcgggccac caaaatggca agggcctgaa gagcaggata 180

gccgatggtt cgaaccaatc aagtggaaga attttgctca tgtcagcact gcgcccatag 240

agtacaccga aacaaatatc acggatctgt ctggcgttta tattgtcacg ggagcacagt 300

taggagtgtg ggattttggt gcaaagagcg tgctccacct taaac 345

<210> 9766
<211> 310
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189079b06b1

<400> 9766

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acgcggccga cggcatggag tgccccaaca acctctgctg cagcgcgtgg gggtactgcg 180

gcatggacgc caactactgc ggcgatggct gccagagcgg cgcctgctac gagcccaaac 240

gctgcggcgc ccaggccggg gcgaacgcgg tgacgtgccc caacaaccac tgctgcagcg 300

gcgacgggtt 310

<210> 9767
<211> 424
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189079b07b1

<400> 9767

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agggccatcc cgacaagctc tgtgaccagg tctccgacgc cgtcttggat gcctgcttgg 180

cccaggatgc cgacagcaag gtcgcctgcg agaccgtcac caagaccaac atggtcatgg 240

tcttgggcga gatcaccacc aaggccaccg tcgactatga gaagatcgtg cgcgacacct 300

gccgcaacat cggtttcatc tctgatgacg ttggtctcga cgccgaccgt tgcaaggtgc 360

tcgtcaacat cgagcagcag tcccctgaca ttgcccaggg tgttcacgga cacttcacca 420

agcg 424

<210> 9768
<211> 407
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189079b08b1

<400> 9768

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agggccatcc cgacaagctc tgtgaccagg tctccgacgc cgtcttggat gcctgcttgg 180

cccaggatgc cgacagcaag gtcgcctgcg agaccgtcac caagaccaac atggtcatgg 240

tcttgggcga gatcaccacc atggccaccg tcgactatga gaagatcgtg cgcgacacct 300

gccgcaacat cggtttcatc cctgatgacg ttggtctcga cgcccaccgt tgcaaggtgc 360

tcgtcaacat cgagcagcag tcccctgaca ttgcccaggg tgttcac 407

<210> 9769
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<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189079b09b1

<400> 9769

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gcaagtgtca actctcaaca ccacctctac aaaagcaatc gtgcactctg gtgatgctct 120

ctggtttgtg ccgccatccc tgtcgatgaa gacctccgtg gcctccttct agtgccccgt 180

gccgatcgcc gatgctttgg ccggaattct tgcaccatgc cgccggttcc tgacatgctc 240

gtgcggctcc tcgtcgcgtc cgtgctgctc ggcgcagcca gtggcgcgtt taccccgcg 300

gacacctacc tcgtcctctg cggcacgtcg gcgagcgcca ccgttgccgc gggacggacg 360

ttcgttgggg acgcccgtct gcccgccaag tcgctggccg cgccg 405

<210> 9770
<211> 350
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189079b10b1

<400> 9770

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ggcgatggcg ggactggcaa aaccacattt gtgaagaggc atctcactgg agagtttgag 180

aagaaatacg aacccaccat tggtgttgaa gctcacccgt tggatttcac cactaactgt 240

ggaaagatcc gtttctactg ctgggacact gctgggcaag agaagtttgg tggccttagg 300

gatggatact atatccatgg tcagtgtgcg atcatcatgt ttgatgtcac 350

<210> 9771
<211> 353
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189079b11b1

<400> 9771

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gtgcagaggt atgatcctac ttatgaagca accaagttac attttgatga tctcgctcag 180

cgatatggac agcctatcat aatacttaat ttaataaaga ctgttgaaaa aaggccaagg 240

gagatgatgc tcaggcgtga attctttaat gcagttggat atcttaatca gaatgtccca 300

gaagagagga aactgagatt catacactgg gattttcata aatttgcgaa aag 353

<210> 9772
<211> 376
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189079b12b1

<400> 9772

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attggacatc aatattccat catccactct actgcctcta atagcaaaga agtccagata 180

tatgtcggtg ctggagttaa gtggcctacc cattgggaag gttccagatg gtattggaga 240

tcttttcaat ctccgctatc tgggtctgcg tggttcaaaa gtgaagctcc ttcccaggtc 300

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gcctagaggc attggt 376

<210> 9773
<211> 395
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189079c01b1

<400> 9773

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ggaccatgcc gtggcctccg tcgcggcggc ggacg 395

<210> 9774
<211> 419
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189079c02b1

<400> 9774

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<210> 9775
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<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189079c03b1

<400> 9775

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ggaggaggat aaccttcagg tatctgtcga cgttcttcat catggacgtg gcgtcgacga 180

ttccgtacca gggcatagcc tacctcgtca acggcgaggt cagggaaggc atggtgtaca 240

gcctgctcgg cctgctccgg ctctggcgtc tcaggaaggt caagcagttc ttcacaaggc 300

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cgctgttcct ggtgcactgc gccgggtgcc tgtactacct gctggcggac cggtacccgg 420

accgggacaa gacctggatc ggcgccgtga tccccaactt ccggcaggag ag 472

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<211> 394
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189079c04b1

<400> 9776

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gttcttcatt ccaacaggaa atggagaagg caggacacga gcatgtgatc ggcatcccag 180

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ccgtgagggg caagctgtcg ctgggcgcga gaat 394

<210> 9777
<211> 356

<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189079c05b1

<400> 9777

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tcttcataat cgcgatcaac gtggcaatcg ggatactacc gcatgctgat aactttgctc 180

atattggtgg attcttgacc gggttccttt tggggtttgt tctgctggca aggccgcaat 240

tcggttggtt ggaacgcatc gagctgcccc acactaatca gccttctaag tacaaaccat 300

accaatatgt cctgtgggtt gtggcactcg tcttgctgct cgtcgggttc acgctt 356

<210> 9778
<211> 473
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189079c07b1

<400> 9778

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ccgccatggc ggagcagttc gcggagtcag cgaacaatgt aatcatcgaa gaggtgaaca 180

agggcctgaa ccctggaatg atagtcctgc ttgtggttgc gaccaccctg ctgcttttct 240

ttgttgggaa ctatgcgctg tacctgtatg cgcagaagac gctccctccg aagaagaaga 300

agccagtctc caagaagaag ctcaagaggg aaaagctgaa gcaaggggtt tttgcaccag 360

gggagtgaag agacccatcg atttctcatg tcgattgctt tatgctgggc tccttttttt 420

acctgataaa aaatatatac cagctggagc tgcagtgttg agcgactgtt tat 473

<210> 9779
<211> 265
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189079c08b1

<400> 9779

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ccatggccga taaggaagca gaatccgttc catttatgga tatctcggag gtttacttct 180

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attcgatcga taaaggtctc ctgta 265

<210> 9780
<211> 257
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189079c09b1

<400> 9780

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cggcggcgaa gacgaggagc aggaatatcg ccgtctcaca tctacaccgg gaccaacatc 180

gcggtgttga ggcggtggag tggaggcctg gggagagttg cctagaagag gaggaggttg 240

ccggaggaag aggggaa 257

<210> 9781
<211> 257
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189079c10b1

<400> 9781

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ggcggcgaag acgaggagca ggaatatcgc cgtctcacat ctccaccggg accaacatcg 180

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cggaggaaga ggggaag 257

<210> 9782
<211> 63

<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189079c11b1

<400> 9782

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aca 63

<210> 9783
<211> 423
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189079c12b1

<400> 9783

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gatcgccccg ggccctagat cccgatggcc tcgcgccgcc gcaccctcct caaggtcatc 180

atcctcggcg acagcggggt tgggaagact tccttgatga accaatatgt gaacaagaag 240

ttcagcaacc agtacaaggc tacgattggc gccgatttcc tcaccaagga ggtgcagttc 300

gaggacaggc tcttcaccct acaaatatgg gatactgccg gtcaggagag gtttcaaagt 360

cttggtgttg cattctaccg cggagcagat tgttgtgttc tagtttacga tgttaactcg 420

atg 423

<210> 9784
<211> 87
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189079d01b1

<400> 9784

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cgacttccat gagttgcctg gtggtgc 87

<210> 9785
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<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189079d02b1

<400> 9785

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ccaactgcat cgacatcatc ctcgccatca tcctcccgcc cctcggcgtc ttcctcaagt 180

tcggctgcgg gcatgagttc tggatctgcc tcctgctcac cttcctcggg tacatccctg 240

gtatcatcta cgccatctac gccatcacca agtaaaatcg ggccgtccca aagcgttccg 300

cgatgtaata ttttcaggat gatgatctcg tctgtctagc ccctccatgc cttcgtgggt 360

tcttttgatt cttttccgtg tgcgttgatg atgcgaatt 399

<210> 9786
<211> 429
<212> DNA
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<223> Clone ID: uC-tsrow189079d03b1

<400> 9786

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cctgtcaagg gagggtccac tgtgattgcc tttgcacaag acccagatgg ttacatgttt 180

gagcttatcc agaggggtcc gacgcctgag cctctctgtc aagttatgct tcgtgttggt 240

gaccttgatc gggctatcat gttctacgag aaggcccttg ggatgaagct tctgaggaag 300

aaggatgtgc ctcagtataa gtacactatt gccatgatgg gctatgctga ggaggacaag 360

accactgttc tggagttgac atacaactat ggtgtcacgg aatataacaa gggcaatgca 420

tatgctcag 429

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<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189079d04b1

<400> 9787

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gcccaagctg tctgagacac ttaaatgata tgaccgttgt aagatcactc gcgatcctgg 120

tcctgtcaag ggagggtcca ctgtgattgc ctt 153

<210> 9788
<211> 344
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189079d07b1

<400> 9788

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aacatcaaag gttcctggtg ctacagactt gggtttgatg cctaggaaaa taactaaagt 180

cgccattcta ggtggtgggc ttatgggttg tggaatcgct actgcaatga tactgagtaa 240

ctatcctgtg ctactgaaag atgtatacga gaaattcctg aatgctggaa ttgacaggat 300

caaagccaat ttgcagagcc gtgtgaggaa aggaaaaatg acag 344

<210> 9789
<211> 376
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189079d08b1

<400> 9789

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gtctgaatta gcccactgtt ctagttgcag gattgattgg cttcagagag atggaattgt 180

tatgcttgaa ctggacagat tactcaggcc tggaggttat tctgcttatt catctactga 240

ggcatacgca caggatgagg aggatcgcaa aatctggaaa gaaacgagtt ccctcgcaga 300

aaggatgtgc tggaaaattg cagagaaaaa aaaccagaca gctatttgga tcaagcctat 360

gaacaatgat tgctac 376

<210> 9790
<211> 403
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189079d09b1

<400> 9790

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cgaccaccgc cagccggact tcctcgcccg gaacccccttc ggccaggtcc ccgtcctcga 180

ggacggcgac ctcaccctct tcgagtcgcg cgcgatcgcg aggcacgtgc tccggaagca 240

caagccggag ctgctgggct gcggctcgcc ggaggcggtg gcgatggtgg acgtgtggct 300

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cttgccgcta ctgggcggcg cgcgggacca ggcggtggtg gac 403

<210> 9791
<211> 306
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189079d11b1

<400> 9791

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tctgaagaga ggaaggtcga aattgataag gatctgcagg ctatgcaact actttccacc 180

aagaaaggaa atgatgaagt tttcatcaaa ctggttgctg ataaggaggc tttgaagaag 240

aaagagaatg ctgaacgtga agagcgtgct aagaagtctg tgagcatcaa tgagttcctg 300

aagcct 306

<210> 9792
<211> 240
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189079d12b1

<400> 9792

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tgatgaactt gacaaggcaa tggcggagac gaggaaagca cttgctggtt tgaagaagtc 120

tgaaaagagg aaggttgata ttgatatgga tctgcaggct atgcaactac tttccaccaa 180

gaaaggaaag gatgaagttt tcatcaaact gggtgctgat aaggaggctt tgaaaacaaa 240

<210> 9793
<211> 225
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189079e05b1

<400> 9793

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tccggttgct ggtggtggca ggactgataa gccaatgctc aaggctggta acgcctacca 120

caagtaccgg gtgaagagga actcctggcc taaggtgcgt ggtgtggcca tgaaccctgt 180

ggagcatccc cactgaggag gtaaccacca gcatattggt cacgc 225

<210> 9794
<211> 286
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189079e07b1

<400> 9794

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ctgatgctct ctgggcccgt gagattttgc tgccacagat cagttgatct tggttctgaa 180

ctctgctgtt gcaacttgta agtcttccat caaactggca atgtatcatt ttcacccatt 240

ggtgtattat atttcttgca ttctttttga cctcatgaga cccatg 286

<210> 9795
<211> 367
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189079e08b1

<400> 9795

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agtctaaata cttttattaa ctgtacactt ctgtttctgg ttttattttt tccaatacct 180

tctcagcatc aataaagccc cctaaggggc ccaacggtgt atattttact tgcctccaac 240

tgggtataaa tggcagtgcc aggcagtgaa gatggaggtg atcaatacta ttaaatggtg 300

gctgatgaaa accaaatcta tgttcctcag atttgggagc atctcgactg agtaaatctt 360

ttcccac 367

<210> 9796
<211> 419
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189079e09b1

<400> 9796

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cattcatgga ggctcatgct gaaccgtaca tgaggcactt ggtagctagt gatgttgtgt 180

ctgggccact catctccttt tcgggtgttg agaaggtggg caacatcgtt catgcgttaa 240

ggatcaccgg ccacaacggg tttccggtgg tcgatgagcc gcctgtatca gaagctccgg 300

agctggttgg gctggtgctt aggtcacatg tgttggttct tctgagtgga aggaacttca 360

tgaaggagaa ggtgaaaaca agtggtagct ctgtgctcag aaagtttggt gcatttgac 419

<210> 9797
<211> 342
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189079e11b1

<400> 9797

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cgcgagccag atttggatca gtgcagcgtc tcgcgaacct tcacagagtg gatcatctaa 180

tgccctgacg gctcaatcag ccggttttga agtatgtgat gagctacgtc ctatggggca 240

atcattgtct atgtgtgaga gcactaggaa aaatgttgca catggaacag ctgactgcag 300

atcaaacggc aaagattaca gagagaaggt actaaaagat aa 342

<210> 9798
<211> 355
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189079e12b1

<400> 9798

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cccgcgagcc agatttggat cagtgcagcg tctcgcgaac cttcacagag tggatcatct 180

aatgccctga cggctcaatc agccggtttt gaagtatgtg atgagctacg tcctatgggg 240

caatcattgt ctatgtgtga gagcactagg aaaaatgttg caaatggaac agctgactgc 300

agatcaaacg gcaaagatta cagagagaag gttctaaaag ataatttgaa ggatg 355

<210> 9799
<211> 418
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189079f04b1

<400> 9799

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ccgccgtggc tcaagccgct gctggcgacc agcttcttcg ggcaatgcaa gatgcacgcc 180

gacgcccaca agtgcgagtg caacatgtac tgcctcgact gcgtcaacgg cgcgctctgc 240

tcccagtgcc tcgcctacca ccacggccac cacgccatcc agataaggag gtcctcgtac 300

cacgacgtga tccgcgtgtc ggagatccag aaggtgctgg acatcaccgg cgtgcagacc 360

tacatcatca acagcgcgcg cgtggtgttc ctcaacgagc gcccgcagcc caggcccg 418

<210> 9800
<211> 393
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189079f05b1

<400> 9800

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cctcgcccac ctctggcgca ccatgacgcg cgcgcgcgac ctgagccccg aggagaccac 240

caagatccgg ctgtccgtgg acgggcgaca ccggctcggc cagccggcgg agtacttcgg 300

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gaagcacgcg gctcatgtga tccatgacga ggt 393

<210> 9801
<211> 372
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189079f06b1

<400> 9801

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caacatcgtc atccataagg cgcacttctc caaggacttc atcgccggtc tccgagtcaa 120

ggcgtcagaa gggcgcggcc ggccgttcag ccggttcgag accatcctcg cccacctgtg 180

gcgcaccatg actcgcgcgc gcgacctgag ccccgaggag accaccaaga tccggctgtc 240

cgtggacggg cgacaccggc tcggccagcc ggcggagtac ttcggcaaca tggtgctttg 300

ggcattcccg cgctccaccg tgggtgacct cctgaaccgg ccgttgaagc acgcggctca 360

tgtgatccat ga 372

<210> 9802
<211> 211

<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189079f08b1

<400> 9802

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gccacggtgg ttccttcctc tgtttcttgc c 211

<210> 9803
<211> 311
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189079f11b1

<400> 9803

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gatgatgggc gctgtctagt ctgcctggag gagtacaaag acaatgatct cctagggata 240

ctgaagtgca agcacgactt ccacaccgac tgcatcaaga agtggttgca agtgatgaac 300

gcatgcccgg t 311

<210> 9804
<211> 345
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189079f12b1

<400> 9804

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aaatcattca agatacacga actttcaaag ataatgatac tgcacttgaa gaggttcagt 180

tatggaaatc gtgggtgtac taaactgtac aagccactcc acttccctct tgaactggtc 240

ctcaatcggg atctgctgag ctcaccatca tcagagggta gaagatacga gcttgttgca 300

accatcactc atcacgggag cggcccgttc aggggccatt acact 345

<210> 9805
<211> 388
<212> DNA
<213> Triticum aestivum

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<400> 9805

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catcgcctgg tccttcggcg gcatgatc 388

<210> 9806
<211> 381
<212> DNA
<213> Triticum aestivum

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<400> 9806

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gagccgacag ccaaggcagt ccaccaccgc gccatggcgc cgcccccgac cactagcgcc 180

cccgacggcg gcctggatcc cagggacgtg tgcgtcgtcg gcgtcgcccg cacgcccatc 240

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cagggcgctc tccggcgagc cagcgtcgac ccggcgctgg tgcaggaggt gttcatgggc 360

aacgtcctca gcgccaacct c 381

<210> 9807
<211> 435
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189079g03b1

<400> 9807

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gcgccactgc atctagcttg ccggcgaaga agacagatgc tgcatgcacc tgaccttggt 180

gcatgcccat ctcgcgttgt caacagtcat catatcgtgc gtctggatgc gtacgtgtac 240

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ttctccagcc aggagtaata agctggctcg tacagtgtgt cggttgacgg gtgagtgagt 360

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<211> 93
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189079g04b1

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ctgtgcctgt gctacgcggt ggtggtgacc acc 93

<210> 9809
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<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189079g05b1

<400> 9809

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ggcacttcag agcatggcga aaccattatt tcatctgagc taatcttacc ttcattcagg 180

caccttttaa ttgcgtttgg tggactggct ggtctggaag aaagcatcga agaggaccca 240

aatctgaatg gcaaaggtgc aaatgatgta ttcccatctt atttgaatac atgccccaac 300

caaggtagca gaacaataag gacagaggag gcacttctca tatcccttca atacttccaa 360

gaccccatca ggcgagctgg gatggcgagt tagagggttt tatgcgacac atgcaaatac 420

aacattgcac ttacccaagg attggtttta acgcttggaa cagacatgga atgctgggtg 480

gtcatgtcat g 491

<210> 9810
<211> 371
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189079g06b1

<400> 9810

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aggaaggtgc ggcctcccta ccaattttga ttccagctat tgctatgcat taggctatgg 240

tgctggtgct cttctccaat ttggcaagac aggacttatt tcgtcggttg gtaacctggc 300

tgctcctgtg gaagaatgga ctgttggagg aactgcactg actgcgttga tggatgttga 360

gaggaggcat g 371

<210> 9811
<211> 321
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189079g07b1

<400> 9811

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ttgtgctgcg cttgggaagg ccaatctatc atgcatttgc cgctacaaag gcatcgccgg 300

catatggctg aaaatgtacc a 321

<210> 9812
<211> 379
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189079g08b1

<400> 9812

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ttgtgccatg aggaatcaca agaagttgct gcagttcctg cggccggacc cggcggtggc 240

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cacgtcggcc acggcgtccc cgtcgccgta cgtcgcgtcg tcgtgggtca acctcccggg 360

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<210> 9813
<211> 206
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189079g09b1

<400> 9813

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tgtactgtat ggccgcttga aatttcaaga aggctactag cttatttttg gattccggtt 180

caactttcac aacttatgag ttgttc 206

<210> 9814
<211> 240
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189079g10b1

<400> 9814

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gggttgcttg ggatcggagg tcgaccatgg cggctgggag atgttccatg gtcacgccga 120

ccccgtcgtc tatgagctca acaagctggt gaatctcctc agagaaaagg aacgagaact 180

aggacacgca tacagtgaaa taaaaggtct gaaggtgaca gaagctctga aggacaaggc 240

<210> 9815
<211> 371
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189079g11b1

<400> 9815

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ttatagttca gagaaacttc agaacctatg gtggaccttc aggcctttag agaagaccct 120

gggggacagc gtggaatcct acaaagcatc tggcgtgctg aactgagcat tcaaccaggg 180

aaagtttggc tgttaatgct tgcaaactcc ttgcggttca tgtaagcagt gaaacaaaat 240

aagttggtga cacaatcgta acgagagtct gtgtgaacat gaacaaagca tgaatcgtat 300

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tcttgacttg a 371

<210> 9816
<211> 396
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189079g12b1

<400> 9816

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ctcctgctaa accaaaggag gccaagaaag aggctcccaa ggcggcccca aagccagcag 180

aggttgaggc accagaggaa gaggcaccaa agccaaagcc caaaaatccc cttgatctac 240

tgccaccaag caagatggta cttgatgact ggaagaggct atactcaaac actaagagca 300

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<223> Clone ID: uC-tsrow189079h02b1

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ggacagttct ttgaggcgct caacatctcg agcctctgga agctgcccgc cataccgggc 180

tgagagaaca accattatgg gatgggaacg gcggagtgga gggcggtcaa gagccccttc 240

tactacaagc gtggcgacta tgtgcctg 268

<210> 9818
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<223> Clone ID: uC-tsrow189079h03b1

<400> 9818

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gccggcgcgg gcgttcggcc gcgcgcggga cttctacgtg cggagcatca cggggtgcgc 180

gcgctacgtc ccggtcgacg cggccttagg cgcctatccg gtgctcgtgc ccgcgccgct 240

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<210> 9819
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<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189079h07b1

<400> 9819

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gatactatga tgaacgatcg gtggctggtg ttgcgtttgc gagtggtgta cgattcttcg 180

ttgtgccatg aggaatcaca agaagttgct gcagttcctg cggccggacc cggcggtggc 240

ggcggccaac gacgacgggt gctccccgct gccttcgccc acgaccagcg ggagcgcgag 300

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<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189079h08b1

<400> 9820

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gacaaggtgg tgaacccgct gttcgagaag aggccgaagc agttcggcat cggcggggcg 180

ctgccgccca agaaggacct ccaccggttc gtcaagtggc ccaaggtcgt ccgcattcag 240

cgcc 244

<210> 9821
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<212> DNA
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<223> Clone ID: uC-tsrow189079h10b1

<400> 9821

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cggctgcggc ggctgcaaca tgtaccccga ggttgaggcc gccggcgcca ccctcctcgt 180

<210> 9822
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<212> DNA
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<223> Clone ID: uC-tsrow189079h11b1

<400> 9822

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gcctgctctt ctgccccatc gggatcgccg ctcacgcgct gaccaaggta ctcgcgggtt 180

ccacaggtcg atcacactga cgaccgattg cctgtaggca ggctcccctt gtttagatgt 240

ctcagatcgt gaggttcaga tatatgaata aaattgattt ggtgcaccat ttgttctata 300

tagatttcac attgattgtt cccacccatt ctattggaat tggctcagga aactgaatct 360

actcgccatc atgggttcat agaagggcta gtagaacagg ttatttgtac catcgagtca 420

tgacaccaag aaatgtac 438

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<212> DNA
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<223> Clone ID: uC-tsrow189080a07b1

<400> 9823

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aataccatca cacagtcagc cagccagaca agccagggag caaaaaaatc ccccccaccc 180

tccctgcaat agcaaacacg cggaaaaaaa tggaggcatg aacacgccct cctactactc 240

ctccctctcc tgcgtccccg gctaccccta tcccgtcgac agcccatggg ccccgccccc 300

ctgctccctg cgggaac 317

<210> 9824
<211> 385
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189080a08b1

<400> 9824

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cgagatttcc acagagctcc aggccaatcc tcacctgatc atatgaaact acagcaacgg 180

aaaccttgtt gcatgcccgc ttgcacacat gacgggagga acacattgta ccattgctca 240

cgcgcttgaa aaaaccaagt accccaactc tgacctctac tggaagaagt ctgaggacca 300

ctaccacttg tcatgccagt tcactaccga tctgattgcg acgaaccatg ctgacttcat 360

catcacatgc accttccaag agatt 385

<210> 9825
<211> 359
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189080a09b1

<400> 9825

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ggggaaggaa ggggagtgtg tccgcttgtt gttgtgtttg ttgtttcgtt tcttcttttc 180

ccttttcgca gtggagatgg gtgcttggag cttgcaagtg gtggccagcg cctgatggcg 240

gtgctctcct cgtctgaggc gctccagagg acggagccag gggaggttgg gctaatcgtc 300

ggctccacca tctgaataaa cttgcccggt tcccggatct gcaggaggaa ccccggttt 359

<210> 9826
<211> 229
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189080a10b1

<400> 9826

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tacctcaaga ttgttgatcc ttaccgtgct tcatatggcg tggagaatcc catttttgca 120

gtcattcaac ttgcgcatac aactatgaca agtgagcttg gaaagataac cttggacaag 180

acttttgaag agagagacac attgaatgag aagattgtga ggtccataa 229

<210> 9827
<211> 375
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189080b03b1

<400> 9827

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gtgtactacg gtcagcgcgc caccgtcgcc ggcctgctca tcgccgaggc cacaggggtc 180

tcggacacgg cacagggcta cactgacacc ccggggatat ggaccgcaga gcacgtcgag 240

gcgtggaagc ccatagttgc cgtcgtgcac gccaagggcg cgctcttctt ctgccagatc 300

tggcatgttg gacgtgtgtg caccttcgag ctgcagcccg gtggcgcctc cccgctgtcg 360

agcacggaga agggg 375

<210> 9828
<211> 328
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189080b06b1

<400> 9828

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gtgagtgaat cgagaatggt tgatctagat tctagaagct gatgaaaaag attagaacgg 180

tcaataactc ctaccccaaa ttttggttga agctagactt ggttgataga gtaaagaagg 240

tacgacttca acatcaaggt gttcccgggc gaacaatatg ctagtcactg gtcagtgcaa 300

tttaatttta gaatcatggt gagcttat 328

<210> 9829
<211> 378
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189080b08b1

<400> 9829

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tggtgtgcta ctgcgttgcc atccccaagc cggtcatggc cttctgcaag ctcgtcgccg 180

ccgtcaggga cgccttcctc ctgctgctct ccctcgtggg actctgccgc tccccgcgcc 240

gatccgtgga cgacgccccg ctgcccgagg aggtcaagga gcgcctcccg gccgtcgagt 300

tctccttgct ggcgcgtccg gcaaagcagg ggtgccacga cggggacgac tacatcgccg 360

ccgcggcggc cacgtgca 378

<210> 9830
<211> 402
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189080b09b1

<400> 9830

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ctcgtccggc accacggggc tgcccaaggg cgtcatgctc acccaccgca gcctcgtcac 180

cagcgtcgcg cagcaggtgg acggggagaa cccgaacttg tatttcggcc cgaatgacgt 240

gctgctgtgc gtgctgccgc tgttccacat ctactcgctc aactcggtgc tgctggcggg 300

gctgcgcgcc gggtgcgcga tcgtgatcat gcgcaagttc gaccacggcg cgctggtgcg 360

cctggtgcgc gcgcacgcgg tcaccgtggc gcccttcgtg cc 402

<210> 9831
<211> 356
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189080b11b1

<400> 9831

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aggatgatgt tgccatgaag ctgtggcgcc ctacctttaa gctcatgctt gtcactcttg 120

gagatcaagg atgcaagtac tataccaagg atttccgtgg aactgtccca tcctacaagg 180

tacagcaagt tgatacgaca ggtgctggtg atgcatttat tggttctctg ctccgaaaaa 240

ttgtccaaga tccatcggca ttgcaagata aaacaaagct tgaggggggcg atcaaatttg 300

ccaatgcatg tggagcaatc acccgcacga agaaaggggc aatcccttca ttgccc 356

<210> 9832
<211> 405
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189080c03b1

<400> 9832

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tgtacgagtg ccacccctcc gcccacccca ccatcgccgt caagggtact tcaccatatg 240

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aagctggaaa cttccttgcc tgcttctgga tagatagtgc acagaaagga tcaggcgtat 360

ctgtaaatct tgattggaag actggaattg caacaaagga ttggg 405

<210> 9833
<211> 370
<212> DNA
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<223> Clone ID: uC-tsrow189080c04b1

<400> 9833

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ccctggagtc tttctgggat ggcacgagca gcgccgagga tttggagaag gttgccaccg 180

acctcagggc cagcatctgg aagcagatgg ctgatgctgg gatcaagtac atacccagca 240

acaccttctt ctactatgat caggatcttg acaccaccgc catgctctgt gccgtcccag 300

accgttactc atggaccggc ggggtgatca atttgagcac ctacttctcg atggctaggg 360

gcaacgccac 370

<210> 9834
<211> 374
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189080c05b1

<400> 9834

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ggctacatgc tggttttctg tgttccggtg ttcttcgctc aggcccttct tgcgcttgtt 180

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accatttttc tgggacttat cgatgccctc ctgatgagct atgtctccta tgttggatct 360

cgggtgttat cctt 374

<210> 9835
<211> 213
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189080c06b1

<400> 9835

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ctcacaggcc ggaagagcac cgcacgtcgc gcggtgttcg gtgcgccccc ggcgggccat 180

gaaaatcctg aggaccgagt accgttcacg ccc 213

<210> 9836
<211> 423
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189080c07b1

<400> 9836

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tccatccatt cgctgcaccg cgacccatcc accataacta ccacgagtcc cttgctgcac 180

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ctgttcatct ttgctactgc ccgcagctct cttcgtctct ctcaaacttg ttgatgcaga 300

tgccctcaac ctcctgctgc tcctctcttc ttacgcccct gctgttgccc cttctacccc 360

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gcc 423

<210> 9837
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<212> DNA
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<223> Clone ID: uC-tsrow189080c10b1

<400> 9837

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acggcggcgg cggcggcggc ggcaggggga ggaggtccat cgaggttgac ttcttctccg 300

acgagaagaa gaacatgaag aagagccgcg catcggccgg tgctgacgcg gaggaccaca 360

aggatcaggc ctccgccgcc ggactcgcca tcaag 395

<210> 9838
<211> 454
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189080c11b1

<400> 9838

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ttgacgatgt ccaacctatg cagaataagg cattccatgc atttgcaaat gttgagacgc 180

gcgttcccat agacaaactt tgtctggatc ccaaaaatga agtttccatt tcgcctgcta 240

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atatcaatgc tttcaattgg acaggagcac aggctgtcga taccctcctt tggagtgcag 360

tggtaaatcc acattacgct tttctatctg ggggttttcg aactatgcca cccgtcacgt 420

atttgacacc caacttccgt ttttggaggg gatc 454

<210> 9839
<211> 252
<212> DNA
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<223> Clone ID: uC-tsrow189080d02b1

<400> 9839

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aggtgtccaa caacgcgcac tcgccgaggg caagctgggg cgcgcccaac ggcggcctcg 180

gctcgccgca cgccgccggg tcgcccgcca gaaacatgcc ggactacacc gacctgctcg 240

gctccatgga cc 252

<210> 9840
<211> 359
<212> DNA
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<223> Clone ID: uC-tsrow189080d04b1

<400> 9840

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attctggtgc cttggcaaac ccattgattg cctcagaggc ttcagttagc agattaaata 180

cagatgttct ggaagaattt cttgctttga actacacttg cacgcgaatt gttctagctg 240

cgtctggtgt ggaccatgat gaacttgtat caattgctga accactcctg tctgacattc 300

ccactgcatc tggaacagga aagccaaaat ccgtctatgt tggtggagaa tatagacgg 359

<210> 9841
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<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189080d05b1

<400> 9841

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aagaagaagg ctgaggagga caaggagaag gaggaggagc tggtcaccgg catggagaag 240

gtctccgtgg aagagcccga ggtcaagaag gaggagcacg aggatggcta gaag 294

<210> 9842
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<212> DNA
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<223> Clone ID: uC-tsrow189080d06b1

<400> 9842

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agaccatggc gaccagcccc ggcgcggcgc ggcagtgggt ggc 343

<210> 9843
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<212> DNA
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<223> Clone ID: uC-tsrow189080d07b1

<400> 9843

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gtttggctat gccaccgatg agacccctga gctcatgccc ctcagccatg tgcttgccac 240

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<210> 9844
<211> 367
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189080d08b1

<400> 9844

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<210> 9845
<211> 434
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189080d10b1

<400> 9845

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gaaaggtgtc aagaactttg cgattgactt cctcatggga ggagtgtcag ctgcagtttc 360

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gatcaaggct ggca 434

<210> 9846
<211> 490
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189080d11b1

<400> 9846

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tgctgccaag tatttgctcg agcgtggcgt ggaccggaaa gacttcaact catatggtag 180

ccggcgcggt aacgacgagg tgatggcaag aggaacattt gcaaacatca ggattgtgaa 240

caagtttctg ggtggagagg tcgggcccaa gactattcat gtgcccacag gggagaagct 300

ctctgttttc gatgcggcca cgaaatacaa atctgaaggt catgatacga tcattcttgc 360

tggcgccgag tatgggagtg gcagctctcg tgattgggct gccaaggggc cgatgcttct 420

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gatggggatc 490

<210> 9847
<211> 363
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189080e04b1

<400> 9847

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tgaagttgct tcttgcatga gacactgcag tcaattgcta aggagctttc ctatgaccac 180

agaatctgca cttctctatc tagatctgcc ttccagcatt tcaatggctg cagctgttaa 240

accactgact gatgctgcca aggaattcct cgctaacaaa tacaaggatc tgaccaagtt 300

tcaggatgaa gtgatgaaca ttccccttgc tgggattgaa gccatcctat gtagcaatga 360

cct 363

<210> 9848
<211> 352
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189080e05b1

<400> 9848

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gccgttgcac gcgccttcgg gcaatgccac tcgttcaatt acctgcgcat tcaggcgaag 180

cgggagagca tgccgccgtg cgggccggac ggggagtacg acccgacgca ggcgaacgtg 240

caggcgctgc tcgcggcggc ggacgaggcg atgaagcagc gcaacgtgga gtcggtgctc 300

ttcgagggga ggcggatcgg ggagcagacc aacgcggaga agctggagtg gt 352

<210> 9849
<211> 479
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189080e06b1

<400> 9849

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ctactcccgg atcaagacct ttaggtgaaa atcaagatcc tgctgtagga tcgggcggtg 180

gcgtcgtctt cagcgtcgtt tcccctcttg agggcaccgt cttgaagatc ttgatcccaa 240

tggtgctttt tacggactgg atgtgcatgg tggcttcagt ggcaatgatg atggggtgag 300

caaggtcgaa ggcatggcac tggtcgaggt agtcgtctct tctccggcgt gtccgtgaga 360

ttgcctcggc tgtttgttgt tgtgaagtcg aagctgcggt ggagaggccc aggtggcgta 420

cgcgacaggt cgtccgttcg gcgatcctcc atgatgccta ctatgcctag cttttcgta 479

<210> 9850
<211> 423
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189080e08b1

<400> 9850

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tgtcatggtt agtgcacagg aagattcttc tacgttgaat tcagatgttt atggccaagt 120

cgtccattct acttctctta cattgttcag caataaatgg atgcggttga cgcatgaagt 180

taaatcagga caaagtggaa agttggaatg tttatcggtg aaggcaataa taaataagca 240

ccttgtggtt tgctgccagg ctgaaagtcc tgcttcaatg gaagacttcc cgctgtggaa 300

atttgaggat caagtggaga cattgcctac aaaggatgct gcactcgcct tttccgggca 360

gaaactgatt caagtcgaag agccagacac tcaagttgac cttgtcttag attctactgg 420

ccc 423

<210> 9851
<211> 411
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189080e09b1

<400> 9851

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gaccacctac atgccggcgc ttctctccgg caacgtcgcc gactccatcc cattcaccac 180

cgagcacctc tccgacatca tcacgatgtt cgcgccggcg tcactcacga tgaccagaga 240

gatacggtgg acgctggaca cctgcgagca cccacggacg ctccccggcc agaaagcagg 300

ctgcgccacc ttcctcgagt ccctcgccga gctgccggtg tccctgcttg ggaggcgaaa 360

cgtgcgcgcg ttctccgccg tggatctgcc catggatgcc gcggggacac c 411

<210> 9852
<211> 409
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189080e11b1

<400> 9852

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ctggccgagg cggcgtcggg ggccgtcggc gcgctcgtca gcaccaccgt gctctacccg 180

ctcgacacct gcaagaccaa gttccaggcc gacgtccaga cggaccaggg cgcgcacaag 240

tacaggaacc tttcagatgt cttttgggaa gcaattaaga aaaagcaatt tttgtcccta 300

tatcagggcc ttaagacgaa gaatatccag tcgttcattt cgcagttcgt ttacttttat 360

ggctatagct atttcaaaag actctacctg gagaagagtg gagctaagt 409

<210> 9853
<211> 432
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189080e12b1

<400> 9853

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tcgggagaga gggaattctt gagatcggaa tcggaacaag cgggcgcgct cgggatcggg 180

gttaccatac aatttttccc aggaaccttt agtgaatgtg ctaatggagt caaagggtgg 240

caaaaagtct agcagtagta gttccctgat gtacgaagca cccctcggct acagcattga 300

agacgttcga cctgctggag gcgccaagaa gttctctgct gcatactcga actgcgcgaa 360

gaagccatcc tgatatcgtt tttggcatcc ccttctcgta gtttaggatt tttatgcaat 420

tttattctga ct 432

<210> 9854
<211> 190
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189080f04b1

<400> 9854

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gccaaagtcg ggaagtcggc cagacatgaa taacagccag catgatctca tcgcggcagg 180

gttcgtgcct 190

<210> 9855
<211> 415
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189080f05b1

<400> 9855

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aggcaaggca agaggatgaa cgaggaggcg gaggggaggg gggcgaggcc cggcgtgctt 180

aaggtggtgg tggcgcaggg gaccaacctc gccatcaggg acttcacctc cagcgacccc 240

tacgtcgtcg tccgcctcgc agacaagagt gcaaagacaa aagtcatcaa cagttgcctc 300

aatccagttt ggaacgaaga gatggtcttc tctatcaggg aacctctagg gatcatcaaa 360

tttgaggtgt tcgaccggga ccggttcaag tacgacgaca agatgggaca cgcct 415

<210> 9856
<211> 218
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189080f06b1

<400> 9856

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gtcggcgtca gtggcgccgg cacggcggtg tgggacgg 218

<210> 9857
<211> 332
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189080f09b1

<400> 9857

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aagccgatcc taaaggggg taaccccggc agatagcgcg atcacgcgca tcccccgaaa 120

gggaatcggg ttaagatttc ccgagccggg atgtggcggt tgacggctac gttaggaagt 180

ccggagacgc cggcgggggc ctcgggaaga gttatctttt ctgcttaacg gcctgccaac 240

cctggaaacg gttcagccgg aggtagggtc cagtggccgg aagagcaccg cacgtcgcgc 300

ggtgttcggt gcgcccccgg cggcccatga aa 332

<210> 9858
<211> 462
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189080f10b1

<400> 9858

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aagaatgaaa acaaggaggt tgcagtgaat gatttcctcc cagcagaaga tgccatcaac 180

gcaatcaagt actcgatgga cctctacggt tcgtacatca tggagggctt aaggaagtga 240

tctccagttg gcggactgcg gatgctacgc gatccgccct acggcttatc aatagtacga 300

caaacatcta tgttaacatg atgatcgaaa accatcagtc tgttggggat ctatatatac 360

cttctgtcca tgctgagtca agcatgggta cattttcctt ccgtatatgc catgtcaggt 420

ccaagtatgt gacctcttgc tggaaccttt tttgtcaaac cg 462

<210> 9859
<211> 326
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189080f12b1

<400> 9859

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agctgattta tgtccgtgct tgcaaagagc gtctggattg ctcttaccac ctggataaat 180

atcttttcat ggatcattca agaaacttga agtgcagata tccttcatac ctttttttgt 240

caagaaaata tgactaagac aataaatggg aaatatttca actggatttg agataggaga 300

tcaagagtca aaatcattca accatt 326

<210> 9860
<211> 402
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189080g03b1

<400> 9860

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ggatacacgg gtacctacac aggcaaccca tgcggtggtt acggcggtgg ttatgggaac 180

gggaagtttc catgataggc cgcatatgat gatacttgga gcacggaaat acaaaatacg 240

tacggcagac catgaataaa ttatcacccg ttactggtat aatcgactct ctctgatcca 300

taataagtct cgcagttttg taccaaggtc agttcaaacc ttaatacaaa actgcaacac 360

ttatcttaga ttggagggag taccaaaaac atagtgaatg tt 402

<210> 9861
<211> 422
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189080g05b1

<400> 9861

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aggccgtcct ggtcatggga gtcctctcac acgtgaacgc cgactatttc cccaagtgct 180

gcaacaactg caggtccttc tccggggtcg acgtctgcga cgacgcccac cccaagtgcc 240

ccaagggctg ctcggcgtgc cgcgtggtgt cgacgagccc cgaaatgtgg cgctgcgcgg 300

atatgaaatc caccgtcgac ggcacctgcg gtgggccctg caagaagtac tgatcggctc 360

atgccagcat gatatgttcc gcctaaaatg aaataaaagc tcagacgaga tgagcagcgt 420

ca 422

<210> 9862
<211> 247
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189080g06b1

<400> 9862

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ctccctgttg cgatggcgtt caaggccgtt gctgagatag tcgatgacaa gcaatgcagt 180

aaaagcgccg ccgagtcgtc cgaggcggtg ccttctcgga ggcagtccga ggagctaatt 240

gggggag 247

<210> 9863
<211> 403
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189080g07b1

<400> 9863

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ctgggaggtg gtcacactca ccgggtccac ctacgccgtc gtgcccagcg ggccagaagg 180

agcatcagag ggcacgaggc tcggcgactg caacgacagc cggggctcgt ccaccacgct 240

gctcatgtcg gaccactttg tgttcccccc cagcgagcac gagaacctgt ccatagagac 300

cgtcctgctc gacccgtctc aggaaagtac cagccttgaa gatgccggct tcaagaatgt 360

cggtgggagc tacgatgatg ggtccgagac tgtcaagtac tat 403

<210> 9864
<211> 397
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189080g08b1

<400> 9864

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tcctattcat cgcagcaatt ttgcagaggc ggctgatgtc cgtgtccgac cttcacagat 120

caactagtat gttgtcttta ttcgtttcaa ttttgatgca agcaaatgcc attttctctc 180

ttggaattag actccgactt aacaaattgc taaccacaag atcaaattcc tgcagaagcc 240

gcagagatga cagcagaaga tgagccacta aacccttgaa acacaccagc agccattgac 300

gtgaaccggg catggaacgg tctccaactt catctgcttc tctgcagggc tgctgaataa 360

gatgggaaac cgaaagctgc aacaaaacct cgtttag 397

<210> 9865
<211> 417
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189080g09b1

<400> 9865

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tgataggaaa gagcgtcgca gtaggggtgt tctactttct tggctttgca atgttttgca 180

tcgagtcatc actaagcatg tgggtcattc agcgcgtgta tcactatttt cgaggaagtg 240

ggaaagaagc acagatgagg catcaggcag cacgtgccac aactagggca gcattttgat 300

attgaaaagc aatgcataca ttgatatggt ttttactctc gcaacttta aattgtagag 360

acttgtaagt taactggcat gtaggacttt gtttgtccta tgcaaaagtt tatgccc 417

<210> 9866
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<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189080g10b1

<400> 9866

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agatttggag gatgtcttgc aactgtggat ccggttgcag ctgcggctca gactgcaagt 120

gcgggaagat gtaccctgat ctgacggagc agggcagcgc cgccgcccag gtcgccgccg 180

tggtcgtcct cggcgtggcg cctgagaaca aggcggggca gttcgaggtg gccgccgggc 240

agtccggcga gggctgcagc tgcggcgaca actgcaagtg caacccctgc aactgttaag 300

ct 302

<210> 9867
<211> 455
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189080g11b1

<400> 9867

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tctccgttct aacaactggg ttcctcgccg tgctgagatt aaggcgaaga caatcagcga 120

gatccacaca gaggctgaaa agaaccttgg attacgtcca ggggccacag cgaacatgag 180

gaatggccgt aatgcaccag gtgggcctct ttcgcctgga ggtttttcag tgaaccggcc 240

aggaacagga ggtatgatgc ctgggatgcc tggatctaga aaaatgcctg ggatgcctgg 300

tttagataat gataactggg aagttcagcg ttctagatca atgccaagag gcgatccgct 360

tcgcaaccag ggttcgttga ttaataaggt ttcatctatt aacaagccat cacccatcaa 420

ccccaggctt cttcctcaag gcactggagc actga 455

<210> 9868
<211> 230
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189080h03b1

<400> 9868

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tggaagagtg ttggccttgg tttcaagacc ccaagggagg cgattgatgg tacctacatt 180

gacaagaagt gcccattcac tggaactgtt gccatcaggg gcagaatcat 230

<210> 9869
<211> 415
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189080h04b1

<400> 9869

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cctggcgatt acacgcccgt gtgcaccacc tagctgggca tgaccgccaa gctgcagccc 180

gagttctcca agaagaacac gctcgtcatc ggcctcagcg tggacaacgt cgatgaccac 240

cactggtggg tcaaggacat ctagtcgacc cagaactgca cggtgaacta ccccatcgtg 300

gccgacccgg acaggacggt ggccgagacc tactgcatga tccaccccaa ctcgcccctc 360

accatggccg gcaagctcac cgtccgcacc gtctggatca tctaccccaa caaca 415

<210> 9870
<211> 290
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189080h05b1

<400> 9870

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gtgggactat tctctttgcg acagaagaga acgaacacgg aactaaaata acgaatcacc 180

aacccttttg cttcatgggg cgcggcgcat aaagacagcg gaggagctcc acagctgaca 240

ggagcgaggt tcttctcctt cgaggagctg aaaatctgca cggacaactt 290

<210> 9871
<211> 376
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189080h08b1

<400> 9871

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ctcttcaggc tatgtcgctg ttctcggtgc tcggtgatct tcgatggcac aaactatgca 240

gagtttacag gtttcatgcg tattcacatg cgcggtcttc tgctgtgggg cgttctctct 300

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ccggtgcttg ctgttg 376

<210> 9872
<211> 183
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189080h09b1

<400> 9872

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ttcctctagg catggggaga gggcgaccag cttctccatg gcctgcatcc tgctcagccg 180

cta 183

<210> 9873
<211> 385
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189080h10b1

<400> 9873

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cgcgccggcc gggcgcatcg tgatggagct gtacaaggac gcggtgccgc ggacggtgga 180

gaacttccgc gcgctgtgca ccggcgagaa gggcgtcggc aagagcggca agccgctgca 240

ctacaagggc agcgccttcc accgcgtgat ccccgacttc atgtgccagg gcggcgactt 300

cacccggtgc aacggcaccg gcggcgagtc catctacggc gagaagttcg ccgacgagaa 360

gttcgtccac aagcacacca agccc 385

<210> 9874
<211> 378
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189080h11b1

<400> 9874

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ggaatcacta tttatgcaga ggatgtgcta aagaaattga acatgcctcg tcctttggca 120

aagtcaacac atcgcttaaa cttgaagtat tgtgcagata tgcaatcaat caaaatctct 180

gacctcagcc acatggagca ccttgaggag ctgtatgttg aatcatgcta tgacctgaac 240

acagtggttg ctgatgctga gcttacaact tcacagttgc agttcctgac cctgtcagtt 300

cttccctcgt tggaaagtgt ccttattgca ccaatgtccc ataattttca gtacatccgc 360

aaattgatca tttcacac 378

<210> 9875
<211> 226
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189081a01b1

<400> 9875

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gttcctagct tgatcacatg gcaattggca acatatgtca taaaaaatga tagtctataa 180

aacgatcatg cacgtctgga caagcatgga tgaatgggag gggatt 226

<210> 9876
<211> 354
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189081a03b1

<400> 9876

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ttcattcaca agttctccct tctgcatctg aggccctaag ttcacagctt gcgagcagta 120

gccctattgc aatgtctaca caacagcaac atatgtccca gcaacaacaa gcagcgcata 180

tgtaccctcc aatgcacgtg cacgcattat ccgaatttca tgccatatcg acatcctctc 240

tattctccag gatatgtccc acccatggct atgccaaatt attcagcaca tgttccttat 300

ccggcaaatg gaaataatta tcttcagatg gccggtgggg gttcacattt aact 354

<210> 9877
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<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189081a04b1

<400> 9877

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acaagtcctg ccttctgcat ctgaggccct tagttcacag cttgcgagca gtagacctat 120

tgcaatgtct acacagcagc aacatatgtc ccagcatcaa caggcagcgc atatgtaccc 180

tccaatgcac gtgcacgcat tatccgaatt tgatgccata tcgacatcct ctctattctc 240

caggatatgt accacccatg gctatgccaa attattc 277

<210> 9878
<211> 172
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189081a06b1

<400> 9878

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caactgcgga tcaggctgca gctgcggttc agactgtaag tgcgggaaga tgtaccctga 120

tctgacggag cagggcagcg ccgtcgccga ggtcgacacc gtggtcgtcc tc 172

<210> 9879
<211> 364
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189081a07b1

<400> 9879

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ccaacgcggc ggcgcccgcc cccgcccccg gccgcctccg caacgccttc ggcggcgtgc 120

tctgcgcctt taccctcatc ctcatcggcg tcctcgcctt ctcgatccgc ctcttctccg 180

tgatcaagta cgagagcgtg atccacgagt tcgaccccta cttcaacttc cgcgtcactc 240

agtttctgtc gaagaatgga atctacgagt tctggaactg gtttgatgat aggacatggt 300

atccccttgg tcgtgtgatt ggtggcactg tgtatcctgg gttgactttg acagctggaa 360

gcat 364

<210> 9880
<211> 389
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189081a08b1

<400> 9880

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tcgacaggcg cctcccccca gggatcgatc gaagatgccg aagatagcgc tgggccaccg 120

ccgcgaggcg tccgaccccg gctgcctccg ggccgtgctc ggcgagctcg tcctcacctt 180

cctcttcgtc ttcgtcggcg tgggctccgc catcgtcgga ggacaagcag tcgcagccgg 240

aggcgacacg tcggcggcgt tgatcgcggt ggcgctgggc catgcgctgg tggtggcggt 300

gttcgcaacc gcagggttcc acatctccgg cgcccacatg aacccagccg tcacgctcag 360

cctcgccgtc ggcggccaca tcaccctca 389

<210> 9881
<211> 374

<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189081a09b1

<400> 9881

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gacgggaatt gacttctcag cgtttgagga ctctgagttg ttgaaacagg ggggaatgga 120

aatatatcca cttgcagtta aagctgaaac aacactgtct gctgatcaac catcggaggg 180

ggaagaccag aagccaaaaa ctccaaactc gcatatcaca caggctgtgt ttgaaaagaa 240

agaaagtggc gactatcaag tacgagttgt tagtcagatc ctttgggtga atggcaccag 300

gtatgaattg caggaaatat atgggatagg aaactctgtg gaaggggaca ctgatgcaaa 360

tgatcctggg aaag 374

<210> 9882
<211> 388
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189081a10b1

<400> 9882

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tccttcccag taacgtgcag tggtggtgaa tggacaattg ttcaaggtct cccgatcgat 120

gagttctcga ggaagaagat ggatgcgacc gcccaggagc tgtcggagga gaaggcgctg 180

gcctactcat gcctcgcgta aatccacatt ggaagggcag ctgctcctct ggatgttttg 240

aataaatgaa accttccgct ccttagaaac tctcgtctcc acccagaaca gccgcacatc 300

gcgatgcatg ctccttttcg ctggttttcc cagtgtgtat gaaggcttgt agctcccctt 360

ttgcctgatg atttacagga cagtacat 388

<210> 9883
<211> 140
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189081a12b1

<400> 9883

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atctgacgga gcagggcagc 140

<210> 9884
<211> 321
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189081b01b1

<400> 9884

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gacttggttg aaaagatgct gactttcgat cctagacaga gaataacagt tgaaggcgca 120

cttgcgcatc cttacctggc atcgctgcat gatataagtg atgagccagt ctgcacgatg 180

cccttcagct ttgacttcga gcagcatgcg ttgtcggaag aacaaatgaa ggatctaatc 240

caccaggagg gcatcacgtt caaccctgat taccagtagc tggagttcct ttgatcggct 300

tcattcatat ggaaagtttt c 321

<210> 9885
<211> 227
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189081b02b1

<400> 9885

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acatgtgcag gtgtggtgac acttaaaaaa attaaatgta caggtgttgt gtacgtccgt 120

acgtgtgcat cgtatacatg ttccatacgg gctagacgac aaccacaggc ccggtcattt 180

gacttgatta ttcagtactc atacatgtcc aggacatgtg tgtgtgc 227

<210> 9886
<211> 424
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189081b04b1

<400> 9886

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agagagagag agagcgagac gagcaaaaac aatctctcgc cccactgtta taccaagttc 120

gcatccatct cactgttata catccttgta tcacaatggg tggcctatcc atggagcacc 180

cttgggcatt cgccttcggc ctactaggca acgtgatctc tttctcgagc ctcctggccc 240

cgataccaac attctaccgg atcttcaaga gcaaatccac gaaggggttc cagtcggtgc 300

cctacgtcgt ggccctgttc agcgcgatgc tgtggatctt ctacgcactg gtcaagaccg 360

gtgagggcct cctcatcagc atcaacgctg tcggctgcgt catcgagacc gtctacatcg 420

tcat 424

<210> 9887
<211> 338
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189081b05b1

<400> 9887

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ccatggcgcc caacggagac aacaccgtgg ccaacgtcca cagcgggatc gacagcacca 120

acaagacgct gctcaagagc gacgccctct acacctacat actagacacc accgtctttc 180

cccgtgagca cgagtgcatg cgcgacctgc gcctcatcac cgacaagcac ccatggggct 240

acatgcagtc tgcgtcggac gaggcacagc tgctggggat gctgatcaag atggcgggcg 300

ccaagaagac gatcgaggtg gggcgtgttc acgggcta 338

<210> 9888
<211> 99
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189081b06b1

<400> 9888

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acgggcgccg ccatgtggac gactccctgg ccagagccc 99

<210> 9889
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<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189081b07b1

<400> 9889

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ggattttctg aagctcgatt gccactactt ctctagctca tatgtgataa tgtgatcatg 120

caattgtcat gggtttaact gaatcttgtt atcaattgtc atgtatgaca gtacgacaca 180

tttgtcttgt acaggagtgc agttctgtat gtgatcagat tttcttaggc tgtattgttg 240

acggtcatgt ctgcttgttg ttgtcatggc aagaaatatt tttagaatat tctgcattga 300

tgatttttat cattaatcaa atgctacata aattgtttat tgttctcagc aatactgccg 360

ctgatttcgg cgatcatcac tgttgagtct ctgttcgtga cacagagtct atcaccaaag 420

cccggcggct ccaaagcagc accggaagag accttgcata gtcaaaaaga caagcagtga 480

tc 482

<210> 9890
<211> 390
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189081b08b1

<400> 9890

tcgtttgcat taacagttct ccttcaacga tcattcaaaa ctactaggac cacactctca 60

accccgcaaa ggcgaagatt ttcgtctgag aggacatttc atacaagtca aacttcaaat 120

gctgggcttg cttatctcgg cgggcaatca gttgttggag ctaccggatt accccaagtt 180

gaagcaaaat atccagcttt gctctttaaa cagcagcttg tggatctaat tgagaaggtt 240

tacggtatga taagtgacag cgtgaagaag gaactaaacc ctttacttga attgtgcatc 300

caggatccac gaacttctca ctcaaatctg gcaaaaagca atacaaatgg cttgggacaa 360

cagaaccaat tagcacattg gttaagcatc 390

<210> 9891
<211> 319
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189081b09b1

<400> 9891

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gaaggttgtc acggcttcag cgtctgtatc agcagaagca gtccccacat ctcatcctgt 120

gcaccaagat ctcttcagtc tgtcaatagc gcaggactca gcaacttctt cttcccctcc 180

gtcagtggat ctgtttgctg gctttgacca acagctgcca cctacgtcta gtgttcatca 240

tattacacca gcagctccat tgcctgctaa tgaagggtgg gcattcttcg acacacctca 300

atatggttcg tcaacttct 319

<210> 9892
<211> 85
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189081b10b1

<400> 9892

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gagtcaactc gtgcccgtct tgtgc 85

<210> 9893
<211> 381
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189081b11b1

<400> 9893

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gggaggcaag tgcccgcacc gcaaggtcaa aaagcgccgt ctcaactgca agcaggtgcg 120

ccgtggcaag ttcctcgtca aagccgacga cgccgtctac gacgagctcg tcaagctggc 180

cgaccagggc aaggattccg agggcaaggc gcttcccgtc gacgaggacc tccccggcat 240

gggccagttc tactgcctcc actgcgatcg gtacttcgcg gatgagaccg tgaaggagga 300

tcactaccgc tcaaagcgcc acaagaaaag ggtcaagcag ttgtctggac cagccccaca 360

cacgcaaata gatgcccgat c 381

<210> 9894
<211> 331
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189081c01b1

<400> 9894

gttcatatca tgccgacggc catccgcaag cgcccggcgg cgggacaaga accgcgcgtc 60

catggcggca agaggccccg atacgcgttc gggagcatca ccgactacga gaagcttgag 120

gtgctcggag aaggcaccta tggcgaggtg ttcaaggcgc gcgaccgccg caccggcaag 180

aaggtcgccg tgaagtgggt ccgtggcaac ggggccggcg gacacggccc gcccgacatc 240

cgcgcgatca cccgcgaggc cggctgcctc ggcgcgtgtc ggggtcacga gtctattatc 300

gagatcttgg atgtggcgac ggatgccgag a 331

<210> 9895
<211> 339
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189081c02b1

<400> 9895

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catggcggca agaggccccg gtacgcgttc gggagcataa ccgactacga gaagcttgag 120

gtgctgggag aaggcaccta tggcgaggtg ttcaaggcgc gcgaccgccg caccggaaag 180

aaggtcgtcg cgaagtgggt ccgcggcaac ggggcctgcg gacacggccc gcccgacatc 240

ctggcgatca cccgcgaggc cggctgcctc gtggcgtggc ggggtcacga gggtattatc 300

gagatcttgg atgtggcgac ggatgccgag acaggggac 339

<210> 9896
<211> 437
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189081c03b1

<400> 9896

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ctcagccagg acgctcctag ctatggtttt ctcccagaat gtctctcctg gagcaccgaa 120

ctcgctactg caggttgcag tgaagaataa tcagcaacct gtgtggtatt tcagtgacaa 180

aggttcgctg catgtcttct ttggtgaaga tggcaaaatg gagcgaacga gttttcttga 240

ggcctggaaa tctttacctg atgacaatga attttcaaaa gaatacccca attctgtcat 300

cagcagcata gatgccacca ttgaacacct tgcagcatca aatgtgttct ttattgccaa 360

gcggaaaaat gcaaacatgg atgtgctgta tctgtctgcg aagatccccc gtgggattcc 420

atttctgata gagctta 437

<210> 9897
<211> 425
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189081c04b1

<400> 9897

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cggctcggtc tgagccgagc catagccaaa gcgagccgag ccggttgaag taggctcggc 120

tcgtgtccag ccctactctg ggggcgctgt gccgcggcgg aggctggtcc tacgcggaca 180

tctggcgctc cgaccgtcgc gacccacggt gagtcatcac agagcaacac gcatcgcctc 240

atgcgcctgc ttcttctcct agatctgcat cgcctgggag ggtctcttgc taggtgtcta 300

gctcctgccg gtagctcagg aaaactctgg ctctgagttt cttcagaaat tgtccgcgca 360

actttacacc gcggcgttca ttttctcggg atttcccatg gagtgccgag atcccagcat 420

caaac 425

<210> 9898
<211> 365
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189081c05b1

<400> 9898

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caaggaagct ttccaagacg atgaaccact gcagcatgtg gatgacctcg gctctgcagc 180

gctcaagaaa tgtgacggtc ttccccttgc tcttgttacc accgccaggt tcttgcaaag 240

cgcaggtaat ccaacaccca tgatatgggc aaaattatgc gccgacctgg gtacacatct 300

gaagagtgat gatctatttg caagaatgag gcgtgtgctt gtccagagct acaccagcct 360

tgata 365

<210> 9899
<211> 385
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189081c06b1

<400> 9899

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caaggaagct ttccaagacg atgaaccact gcagcatgtg gatgacctcg gctctgcagc 180

gctcaagaaa tgtgacggtc ttccccttgc tcttgttacc accgccaggt tcttgcaaag 240

cgcaggtaat ccaacaccca tgatatgggc aaaattatgc gccgacctgg gtacacatct 300

gaagagtgat gatctatttg caagaatggg cgtgtgcttg tccagagcta caccagcctt 360

gatagccagg ttgccaggac attct 385

<210> 9900
<211> 258
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189081c07b1

<400> 9900

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gaacgcacgt gccccgggcg tccaccacga cgcctcgatc caccctgctg ccttcatgag 180

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ggctcccacc tgcgccgg 258

<210> 9901
<211> 448
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189081c08b1

<400> 9901

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attaaagaat tgtcattgca gtggagcgga ggtgtgagtt ctgtggaaca catggagttg 120

ctaacagagc tagtgccacc aagctctgta aagaatttca agataacacg ttacaaggat 180

gtcatgtttc cgcactggtt tatgcatata aacaaatatc ttcctaatct tgtgagtttg 240

gagatgtggg gtgtgctttg ccacagccta ccaacaacac tcgtcccact acccaaccta 300

cgaaagattg ttctcagcaa catgcataac ctggaagagt tcaacacagc atgctctata 360

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tgctgacaat gtgctatcgt catgggga 448

<210> 9902
<211> 347
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189081c09b1

<400> 9902

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tgagaagaat gtgcttatct ttgaccttgg tggtggcact tttgatgtct ccctccttac 120

cattgaggag ggtatttttg aggtgaaggc cacggctggt gacactcatc ttggtgggga 180

ggactttgac aaccgtatgg tgaaccactt tgtccaagag ttcaagagga agcacaagaa 240

ggatatcagt ggaaacccca ggtctttgag aaggctcagg acttcttgtg agagggcgaa 300

gaggaccctt tcttccactg cccaaaccac cattgagatc gattcac 347

<210> 9903
<211> 156
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189081c10b1

<400> 9903

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taccatagag gtgggtctgt tggaggtgaa ggccac 156

<210> 9904
<211> 362
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189081c11b1

<400> 9904

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tatccaaatc tatatagcga tagcaatacg agactcttca tctactggac tggagatgca 180

tatcaaacaa caggatgtta caacctacta tgctcaggct tcatccaaac aagcaatcag 240

atcacaattg gcggcagtat ctccccaatg tccacctatg gtggcacaca atatgacatc 300

gatattttag tttggaagga ccgagcgggg ggcaattggt ggctgcaagt gggaggtgat 360

ta 362

<210> 9905
<211> 376
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189081d01b1

<400> 9905

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cggtgcggcc cgaggaccag aagagcgtgc actcccaggg attcaccagc agcaccaacg 120

ggatgaagcc tctgacccga aaggagtgga cggctattgg cggctacaac gcgttcctgg 180

caaccaagct gccgctggag caccgcatct acgacccgga cacggagacg ttcgactccg 240

gcatggagac gttcctcacg gcattccccc ggggcttcgc catcgaggtg ctcgacgtgt 300

actgcagcgg cccgcctagg gtggccttca agttccggca ctgggggtac atggaggggc 360

cgttcaaggg ccaccc 376

<210> 9906
<211> 344
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189081d02b1

<400> 9906

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acttcaggaa tacgctgcaa gtacagctga tctgcgcaat aagaatacac caacggtgcc 120

aacaacaatt gcgagagaga agcagtgcaa tcctttcttg aggacctcaa gtccagagat 180

aaagaaaagg ctgtccattc cagatcattt cgatgatgca cgtgttcttg aagttatccg 240

acgggcgaag gataattttt gactaaccac aaaggaaatt cttataaaac gatgacccaa 300

ccatcttttc gaaagaagta gagtggacaa agaaccccgc aaga 344

<210> 9907
<211> 434
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189081d03b1

<400> 9907

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aacctgcaca accgcgcccg cgccgtggac ggtgtcggcc cggtggcgtg ggacaacaac 180

gtggccaggt ttgcgcagga ctgggcggcg cagcgcgccg gcgattgccg gctccagcac 240

tccggcgggc cgttcggcga gaacatcttc tggggttccg ggcagtcgtg gacggccgtc 300

gacgcggtga agctgtgggt ggacgagaag cagaactacc atcttgacag caacacctgc 360

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ggctgcgcgc gcgt 434

<210> 9908
<211> 350
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189081d04b1

<400> 9908

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ctaaatcgtc cattccttcg accagcagct cgaatcccca ccgacaatgt cgctgatccg 180

tcgcagcaac gtgttcgacc acttctccct cgacctctgg gacccccttcg acggcttccc 240

cttcggctcc gacggcagcg gcagcctcgt cccgcgcacc ttctttgaca cggtggcctt 300

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<210> 9909
<211> 435
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsrow189081d05b1

<400> 9909

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cccctctccg cggcaatctg ttccgatcgt agcccgttct gcgtctcatc catcccgtct 180

cggatcccat ctcctcacgc cctcgtaagc gactttcccc ctcctcgatt gattgcagca 240

gagcgactcc tggccggtgg tgcgtccgta ctgtatcgac accgtcggca attccggcca 300

ttggtttggt ttctgaggta acaggtccaa gagaagtaga agcaaaggtc cactcaagat 360

gttttacgcg ggatatggtt accatgctag taattntgag caaacgtacc gctgctatcc 420

agcatctttt tttga 435

<210> 9910
<211> 376
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189081d06b1

<400> 9910

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ttccgcgcca aggaccgcct gctcgacctc ggcggcggcg gcgagcggga cctgtgcctg 180

ccgggcgggg ccgtggtgac cagcgtgccc gcgggggtcg tcgccgacaa gggcgagcgc 240

gcgcggttcc gctccgacgt gctctccttc acgcagatgg cggagcacgt gaaccagtcg 300

ctgtcgctga cgggcaagat cccctcgggg cccttcaacg ccatgttcga ctaccgcggc 360

tgctggcacc gggacg 376

<210> 9911
<211> 120
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189081d07b1

<400> 9911

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cggattcgcc ctccgcggcg gcgcccggat actgcgcaag ggcagggacg gatgggcgcg 120

<210> 9912
<211> 349
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189081d08b1

<400> 9912

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caagctcacg ggcgcccgca ccaccaatcc accacagcac agcgcaggcg gctttcagat 120

tcggctggcg ctcggagcac tgaagagcac agggaagaag aagaagaata agaagaagag 180

ctctgggaga gcgggggcga tggtggcgca gaatcagagg acgccgggag accaggtgtt 240

ctggcccaag gtggtgctca agaaatggct caacctcagg agcaaggacg ccaagttcaa 300

cgccgacgag gacgacggcg acgacgacgg ggagcaagag gagagctgc 349

<210> 9913
<211> 280
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189081d10b1

<400> 9913

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ggcgccatgg ggatccttca tacagtactg ccaggcagat ttccaagcca agaaacggac 120

caacagctgg ctaatcggcg ccgatactgg tcatggccga cgcgagtttc atcaaggcgc 180

ccgccgggca gaatcccagg ctggcaatcc acgctccggg gaggggcacc cgggtggtca 240

ggtgctcgct tggcgcggac gtaggcggcc ggaccgagtg 280

<210> 9914
<211> 330
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189081d11b1

<400> 9914

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aaggctctct cgtcctcctc cccaagatgc agatcttcga gaagaccctt accggcatga 120

ccatcaccct tgaggtcgag tcctctgaca ccatcgacaa cgtcaaggca aagatccagg 180

acaaggaggg catccccccg gaccagcagc agctcatctt tgctggcaag cagctcgagg 240

atggccgaac ccttgcggac tacaacatcc agaaggagtc caccctccac ctggtgctca 300

ggctccgcgg tggcatgcag atcttcgtca 330

<210> 9915
<211> 398
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189081e01b1

<400> 9915

caagttcaat aatgtctatg tttagaacct agctgagact accactgaag atgacttgaa 60

ggaaatcttt gggaagtttg gagcaataac aagtgttgtt gtaatgcggg atggggatgg 120

aagatccaag tgttttggat ttgtgaattt tgaaagtcca gatgaagctg ctctggctgt 180

tcaagatttg aatggcaaga aatttagtga caaggaatgg tatgttggaa gagcgcagaa 240

aaagtcagaa agggagattg aattgaaaga gaagtttgaa aagaaccttc aagaggcagc 300

ggataagtat cagaacacca acttgtatct gaagaacttg gatgatactg ttgacgatga 360

aaagttgcgt gaacttttg ctgagttcgg aactatta 398

<210> 9916
<211> 404
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189081e02b1

<400> 9916

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atgctaccac aaaaggtgca atgaactaac ttacaaggag tttggccacc gagtgggcct 120

ctgacaagat tcgtgtgaat ggcatcgccc caggatttgt cacaaccgac atgcttaaag 180

atatagatac agagtacgtg aaggaagagc actcgaagac cccattggga cagagcggca 240

agccggtgga gatagcctct gcagtgtcat ttttgtgtat gccggcagct tctttcatca 300

ccggccagat catttgcatc gatggtggtc gaaccattag tgcttagcca tcaccaccgt 360

tccataagtt attgaatatt tggcgaatac caccgtggga gagt 404

<210> 9917
<211> 406
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189081e03b1

<400> 9917

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ttccacgttc ttgccttact ccttcccgcc atccaagaaa agagaatttc cttttctggt 180

tcttggatca agaacccgac cggccatgtc gtcgccgtcg cgccggagct ccagccccga 240

gagcaacatc gacggcggca gcggcagcgg ctccgccggt gacgagcgca agcgcaagag 300

gatgctccaa cagggagtcg gcgaggcggt cccgcgcgcg caagcagcag cggatggagg 360

agctcatcgc cgaggccagc cgcctccagg ccgagaacgc gcgcgt 406

<210> 9918
<211> 64
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189081e05b1

<400> 9918

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gggg 64

<210> 9919
<211> 417
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189081e06b1

<400> 9919

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cgtcgccgcg ccgcccggtg cctgtgccgt ccagtgcgcg cagtgctgct gcgtgactcg 180

cgtcggcggg gctgggcgac agctcagtgt gatgcgcccc atcccgaact tcggcggtgg 240

ccgcggcaag aagcgcgccg tgctcgtcgg tatcaagtac accaagacgc gtgcctgcga 300

gctgaggggt cccatcaacg acgtcaagtg catgaggtac atcctcaccg agcgcttcgg 360

cttcgccaac gactgcgtgc tcatcctcac cgatgaggag agggacccgt gcaggca 417

<210> 9920
<211> 466
<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189081e07b1

<400> 9920

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ctgacctcga gcaagcgacc gtgacccaca tcacctgacc ttgacccaca tcgaacaaga 180

gtgcaaatcg accatgacgt ccagcctcgg ccacaagtat ttcttcaccc accgctgatt 240

gtgatgattg ggttgccatc atgattcata gaggataagc accagcaacg aggaactggg 300

aaggagaggt tgatacttga gataggttct acgatagcaa tggtggtggc agcgtcttgc 360

aattcacata aatggggtgg agaatagcaa ggattaatct tcaaatccaa ctagccaaca 420

cttcacaatg tatggctacg atggtggcag aatggaggag ctcatt 466

<210> 9921
<211> 404
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189081e08b1

<400> 9921

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ctaccccgcc gcctccgccg ccgccgccgc aaaccctacc agacgccgcc tgcaaaccct 120

aaccgcgccg ggcgccctac ctgctgctcg gaaacccagc cgccaacccc cctccttcct 180

ctctttccgg cgccccaatg cagcgctgcc gccgctccgc gtcgctggcg ctgacccgca 240

ggttgtaaat ggcgaagatt tccctcctat gaatgaccta attcgactat acaagaaagc 300

ctttctagat ggaaacgaag atgttgttag tgacatcgag aaggcaatca ctagcatgga 360

ggaagagaga agtaaagcag cttctcagtt tgaaagtatc acag 404

<210> 9922
<211> 447
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189081e09b1

<400> 9922

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gttgatctca tgtattcagg aagaacagtg gcatccagag tttcctgttc atcgggaaac 120

aacggaagct tcccaccctg ccttcacccg ggattccttg gatttcctgt tgtctccgtg 180

aacttccact tgttcaaggc cattgttcgc agccctgcat cttctgttgt cttgggtatt 240

tgtggaagga gcctcccttа gacagagctg ccccataagg tgttcattct atatttctga 300

gaattggtag tgggaagccg tgcagctacc gctagctttc atcaagattc tcaaagtgtt 360

gaatcttggt tcctgaagat ggtttcctct gagatacctt cagttacaac aacccataca 420

caacgcccca agctctttac agggatg 447

<210> 9923
<211> 329
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189081e10b1

<400> 9923

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tgtgatcgag tctctgctgg ccaaggttga tatccttatc cttggtggcg gtatgatctt 120

cacattctac aaggcccagg gattagctgt tggaaagtct cttgtggagg aagacaaact 180

tgaactggca acttcactga tcgaaacggc aaagttcaag ggtgttaagc tcttgcttcc 240

gactgatgtc gttgtggctg acaagtttgc agcagatgcc gaaagcaaga ttgttcctgc 300

cactgctatc cctgatggtt ggatgggtc 329

<210> 9924
<211> 448
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189081e11b1

<400> 9924

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cagataaggt agcgacctcc cacctgtaaa caggttcgtg ccttctgtaa agaaaatctt 120

tggttcacca gctctcctgg ctgcacgtac ctagctcaag ctcgagggca ccggccatgt 180

cgcccgtgca cgtcccggag ctcagcagcg gcgggtcggg gtcggggtcg gggtcgctca 240

ccctgaaccc cgtgcagcgc gcgctcaccc ggctgtcgtc gtcgtcggcc ctcacgccca 300

ggtcgccccc gccgtcctac gggagcatcg tcaccgtgct cagcatcgac ggcggcggcg 360

tccgcggcat catccccgga accatcctcg ccttcctcga agagaagctc caggagctcg 420

atgggccgga cgtgaggatc gcggatta 448

<210> 9925
<211> 94
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189081f01b1

<400> 9925

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cacaaaaggt gctttgaact aacttacaag gagt 94

<210> 9926
<211> 450
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189081f02b1

<400> 9926

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gcagcttgag gatggccgca cccttgcgga ttacaacatc cagaaggaat ccaccctcca 120

ccttgtcctc cgccttcgtg gtggcatgca aatctttgtc aagaccctca ccggcaaaac 180

catcaccctg gaggttgagt cctcagacac cattgacaat gtgaaggcca agatccagga 240

caaggagggc atccccccgg accagcagcg cctgatcttt gccggcaagc agctcgagga 300

tggccgcacc cttgcggatt acaacatcca gaaggagtcc accctccact tggtgctcag 360

gctccgtggt ggcatgcaga tatttgtgaa gaccctcact ggcaagacca tcaccctgga 420

ggtggagtcg tctgacacca ttgacaacgt 450

<210> 9927

<211> 348
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189081f04b1

<400> 9927

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cattagatag cggccgggga ggagggagga gcggaggacc acgaggagga ggaggccgcc 180

attagcaccc accctggctg ccacccacca ccccgacgcc cgactcgcca ctcacctgac 240

ggacggtcat gggggaggac ctcgtcacca ccctgtacat ggagaacggc ggcggcgaag 300

gtcaccacag actctgcacc ctgctctcca tggaccccta cggccacc 348

<210> 9928
<211> 75
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189081f05b1

<400> 9928

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gaactgcgga agggg 75

<210> 9929
<211> 431
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsrow189081f06b1

<400> 9929

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gggggggacta tggctggtgg aagtggaagt caaggagcag aaggaactaa ccaacttctc 120

gggaagagaa aaatacaaga tttggttgca caggtggatc cccttggcaa acttgatcca 180

gaagtggaag atttggtttt agagattgct gatgacttca ttgaatcggt gactgcattt 240

gcatgtaccc tggcaaagca caggaagtca tccgttctgg aagccaagga tgtgttgctg 300

cacttgcaga gaaattggca tctgacggtt cctggttttt cgaaggaaga cangaatcca 360

cagagaaatt atgtaaaggc aagtagtgga tcctcaacag ccagagtgtg atgctgctgg 420

agttagaagc g 431

<210> 9930
<211> 444
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189081f08b1

<400> 9930

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cgtcggcggc ggcctggacg cggccctcct ccgccgcctc tacgccggcc acttcctcgc 180

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cgggcccatg gtcggcaccc tcgtcgatag cctcacctac cttcaggttt tgggcctgtg 360

gctactagtt caaagctcat ccttcatcgt tgccggagtc tccgtaaccg cgctgctggt 420

atacgatgac ctgaaagtga cgag 444

<210> 9931
<211> 337
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189081f09b1

<400> 9931

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tgttgtgatc gagtatctgc tggccaaggt tgatatcctc atacttggtg gtggtatgat 120

cttcacattg tacaaggccc acggattagc tgttggaaag tctcttgtgg aggaagacaa 180

acttgaactg gcaacttgac tgatcgaaac ggcaaagtcc aagggtgtta agctcttgct 240

ttcgactgat gttcgtgtgg ctgacaagtt tgcagcagat gccgaaagca agattgttcc 300

tgccactgct atccctgatg gttggatggg tctggat 337

<210> 9932
<211> 415
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189081f10b1

<400> 9932

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cattctgttg cggcttcgca tcttcgctgc tgataccaca acgacgatgg agcctagccg 180

actactaggt attaaagttt ctttctagcg atacaccgaa accaagatcg actccaggag 240

ggctgccgat cacatcagaa cagagcctac tcctccttcg aggcgtgcgt ggcggacacc 300

gtggagacca tggagtcgac gccgcacttg tttcgcacgt tggagcccct gcagatcttg 360

tagtaaccct tgtcccccca gttctcgccc catgagttct tgatgatcca gtagg 415

<210> 9933
<211> 409
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189081g01b1

<400> 9933

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tcactgggca tcaagtcagt gatgcttact ggcgatagta ctgccgctgc cacacatgca 180

cagaaccagc tggggaacat actagctgag gttcatgctg aacttctgcc agaagacaaa 240

gtgagaattg ttgatgaact gaaggcaaga gatggcccta cactgatgat tggcgacggc 300

atgaatgatg ccccggcact ggctaaggct gatgttggag tctccatggg cgtgtccggt 360

tcagccgtcg caatggagac gagtcacatt actctgatgt caaacgaca 409

<210> 9934
<211> 409
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189081g02b1

<400> 9934

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tcactgggca tcaagtcagt gatgcttact ggcgatagta ctgccgctgc cacacatgca 180

cagaaccagc tggggaacat actagctgag gttcatgctg aacttctgcc agaagacaaa 240

gtgagaattg ttgatgaact gaaggcaaga gatggcccta cactgatgat tggcgacggc 300

atgaatgatg ccccggcact ggctaaggct gatgttggag tctccatggg cgtgtccggt 360

tcagccgtcg caatggagac gagtcacatt actctgatgt caaacgaca 409

<210> 9935
<211> 390
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189081g03b1

<400> 9935

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ctgcctcatg gacgacgagg ccaccctcgt cggcggcaag aaccacagcc acgccaccca 180

ggacctctac gactccatcg acgccggcaa cttccccgag tggaagctct tcgtgcaggt 240

catcgacccc gacgacgagg accgcttcga cttcgacccg ctcgacgaca ccaagacttg 300

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caacttcttc aacgagaacg agcagctcgc 390

<210> 9936
<211> 386
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189081g04b1

<400> 9936

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ctgcctcatg gacgacgagg ccaccctcgt cggcggcaag aaccacagcc acgccaccca 180

ggacctctac gactccatcg acgccggcaa cttccccgag tggaagctct tcgtgcaggt 240

catcgacccc gacgacgagg accgcttcga cttcgacccg ctcgacgaca ccaagacttg 300

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caacttcttc aacgagaacg agcagc 386

<210> 9937
<211> 422
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189081g05b1

<400> 9937

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gtgcccgcgg acactatgga caggctcgag tcggaggccg tcaggttctt ctcgctgccg 180

caggccgaca aggaccgctc cggcccggcc tacccgttcg gctacggcag caagcgcatc 240

gggctcaatg gcgacatggg gtggctcgag tacctgctcc tggccgtcga ctccgcgtcg 300

ctctccggcg cctgcgccgt cccgtcctgc gcgctcttcc gggcggcgct gaacgagtac 360

atcgcggcgg tgccgaaggt ggcggtgcgg ctgatggagg cgatggcgga ggggctgggc 420

at 422

<210> 9938
<211> 413
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189081g06b1

<400> 9938

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ggctctcctc gcggcctcat gcagcgcatg ggaggccaac atccggatgc cgacgtccgt 120

ggacgaggcg gtggtggcgc cgctgatcca cgcgctccgg ccgctgctgg gctccggcaa 180

gcacgccgga gtggagtgcg acagctgggt gctgggcgtg gaggcgcaca acgtgcggga 240

ctggaagacg gtgcccgcca gctgtgaggg ctacgtcggc cactacatgc tcggtaagca 300

cttccgccgt gactccaaga tcgtcatcga ccaggccgtc gcctacgtcg acagcctcaa 360

gctcgccggc aacggcagga ggtggtgggt cttcgacatc gacgagacca ccc 413

<210> 9939
<211> 423
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189081g07b1

<400> 9939

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gcgtgctcat ccaggtgtat gagggcgaga gggcgaggac caaggacaac aacctgctcg 120

gcaagttcga gctctccggg atcccaccgg cgcccagggg tgtcccccag atcaccgtgt 180

gctttgacat tgatgccaac ggtatcctga atgtctcggc ggaggacaag accaccggac 240

agaagaacaa gatcacaatt accaacgaca aggggcggct gagcaaggag gacatcgaga 300

agatggtgca ggaggccgag aagtacaagg ctgaggacga ggagcacaag aagaaggtgg 360

actccaagaa cgccctggag aactacgctt acaacatgcg taacaccatc aaggatgaca 420

aga 423

<210> 9940
<211> 424
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189081g08b1

<400> 9940

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ggcaagttcg agctctccgg gatcccaccg gcgcccaggg gtgtccccca gatcaccgtg 180

tgctttgaca ttgatgccaa cggtatcctg aatgtctcgg cggaggacaa gaccaccgga 240

cagaagaaca agatcacaat taccaacgac aaggggcggc tgagcaagga ggacatcgag 300

aagatggtgc aggaggccga gaagtacaag gctgaggacg aggagcacaa gaagaaggtg 360

gactccaaga acgccctgga gaactacgct tacaacatgc gtaacaccat caaggatgac 420

aaga 424

<210> 9941
<211> 418
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189081g09b1

<400> 9941

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ttgtagctcc atgtggaggc gtgccggagg agcggcccag ctgctactac aggaggcgac 180

acgctgagct tccacttgct gaggctacac ccagatcgac aacacatctt ctctgccatt 240

ggtcacatcc atctatctga gagaaaaatt atctgacaac aatggcgatg gtgctggatg 300

catttgtgtc ctacctggtg gacatgctca cgcaggcagc aagagatgag gtgaagacta 360

tgttgggcgt ctccggcgag atcgacaaga tgggagacaa gcttcgagac ctcaagaa 418

<210> 9942
<211> 64
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189081g10b1

<400> 9942

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agat 64

<210> 9943
<211> 405
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189081g11b1

<400> 9943

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cgccctgcga catcttcgtg acctttttccg atgagaggag ccggaagcag gttgcagtca 180

agaaggataa tgggaagaca accatggtgc cggcgttcca gagcctggag accatagccg 240

gagaggtatc aatagcgcct gttcctggta aaaggattga gcacatgggt gttaagattg 300

agctgcttgg acagatagag ttgtatttcg acagaggcaa cttctatgac ttcacttcac 360

tggggcgtga gttagatgtt cctggtgaaa tatatgaaag aaaga 405

<210> 9944
<211> 319
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189081h01b1

<400> 9944

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tcactgggca tcaagtcagt gatgcttact ggcgatagta ctgccgctgc cacacatgca 180

cagaaccagc tggggaacat actagctgag gttcatgctg aacttctgcc agaagacaaa 240

gtgagaattg ttgatgaact gaaggcaaga gatggcccta cactgatgat tggcgacggt 300

atgaatgatg ccccggcac 319

<210> 9945
<211> 241
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189081h02b1

<400> 9945

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gccggcgggg gcctcgggaa gagttatctt ttctgcttaa cggcctgcca accctggaaa 120

cggttcagcc ggaggtaggg tccagtggcc ggaagagcac cgcacgtcgc gcggtgtccg 180

gtgcgccccc ggcggcccat gaaaatccgg aggaccgagt accgttcacg cccggtcgta 240

c 241

<210> 9946
<211> 384
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189081h04b1

<400> 9946

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ggcctcaccg ccctgcacat ggctgtggtt ggctgcgtgc acccggacct cgtcgagctc 120

ctgatgacca cgccgtccat cgaccttaac gtcgaagatg ctgacggcat gaccccgctg 180

gcgctgctca aggagcagct gcgatcaacc acgtcggaga ggctcatcaa gcagatagtc 240

tccgccggag gggtgctgag ctcgagcgtg ctgagaagcc ggtcggccgt cgtttcgcag 300

ataaagatgc ggggagggat tgcgatcagt ccgggcacca tgttcaggat atcggatgcg 360

gagatattgt tgcactcggg catt 384

<210> 9947
<211> 210
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189081h05b1

<400> 9947

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gcaaggaaag gcagggagag atggcaatga ggccgctcgt cgcgctgtct atacccgcgg 120

ccctgaccgg cgtggcgctg cgaggaggcc gcacctgacg gggccgttga gtgcgggagg 180

tcctcctccg accggatggc cctgcgcatg 210

<210> 9948
<211> 417
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189081h06b1

<400> 9948

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ccatggcaat ggcttacaag atggcgacgg aggggatgaa catcaaggag gagtgcaagc 180

ggtggttcac ggagatgaag tggaagaagg tgcaccgctt cgtggtctac aagatcgacg 240

agcggacgcg cgccgtgctg gtggacaagg tgggcggccc cggggagggg tacgacgagc 300

tcgtcgccgc gctgcccggc gacgactgcc gctacgccgt cttcgacttc gacttcgtct 360

ccgtcgacaa ctgccagaag agcaagatct tcttcatcgc atggtcgccg gcggcgt 417

<210> 9949
<211> 298
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189081h07b1

<400> 9949

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tcgagctctc cgggatccca ccggcgccca ggggtgtccc ccagatcacc gtgtgctttg 180

acattgatgc caacggtatc ctgaatgtct cggcggagga caagaccacc ggacagaaga 240

acaagatcac aattaccaac gacaaggggc ggctgagcaa ggaggacatc gagaagat 298

<210> 9950
<211> 279
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189081h08b1

<400> 9950

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aacaccaagt actacgaggt gctcggggtg cccaagaacg ccgcccagga cgacctcaag 120

aaggcctacc gcaaggccgc catcaagaac caccccgaca agggcggaga ccccgagaag 180

ttcaaggagc tggcacaagc ctatgaggtt ttgagtgacc ctgagaagcg tgagatctat 240

gatcagtatg gcgaagatgc tctcaaggag ggaatgggt 279

<210> 9951
<211> 371
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189081h09b1

<400> 9951

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ctaagatgtc tgctgagctt tgcattggtg aatcttgcac ttctatgtta cagttgatga 120

agaggtatct ccgattggca acaactaatg catcatggac tgcgaacaat tcttttgcag 180

tctacccgta ttattatggg gcttacttta cttcgggtgt ggcattgagt ggcaccacag 240

gctatattac tggtgattat gtggggcttt tggcttcatg ttatgcccat tctcgtggag 300

ccctgaggta tagatggatg aacggtcaaa ccactgcttc gggtacgatc actaagatta 360

taccctatga t 371

<210> 9952
<211> 227
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189081h10b1

<400> 9952

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ctgcaaagag agggaatggg ccaagaaggg gcagctgctt cgttgctgga tgggaagctt 120

aaggcgagga gaaacgatta tggccaccga aaggccgcag cagcaacaag gaaaaagaag 180

tggtggccgt gccttttgga tgccgaggaa gccgcggggc aagtggc 227

<210> 9953
<211> 365
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189081h12b1

<400> 9953

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aagagatggc atccgttctc ctatcctcat taagcatgga gctattctcc agtgaagaca 120

tcgtcaaggg attcataatg cttcttgaat ctgcagaaga tactgcactg gacatattgg 180

atgcctcaga tgagctggga ctgttcctag cgagggcagt gatcgatgat gtgcttgcgc 240

ctctgaactt agatgagatt ggcagcatcc ttccaccaag ctgcagtggg gctgaaacat 300

tgaacatggc gcgctcgctt gcctccgccc gccactcagg agagaggcta ctgagatgct 360

ggggc 365

<210> 9954
<211> 366
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189085a01b1

<400> 9954

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ggatcggcga catcatcgtg acatacactc gtcccgggat gctgaatgcc attggtctcg 120

ctggagtctt cggcatatat gccatcgctt gtgtactagc ctttgtattc gtatacatga 180

aggtccctga gacaaagggc atgcccctgg aggtcatcac cgagttcttc tctgtcgggg 240

caaagcaagg caaggaagcc acggactagt tgctctgatc cggtgatccg cgtcgctggg 300

ggtaattttg tggtgtcata actactacta cactggttaa cctgcgatgt tttggtgaag 360

aaactt 366

<210> 9955
<211> 401
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189085a02b1

<400> 9955

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aaggctctct cctcctcctg ctaagatgca gatcttggag aagaccctta ccggcaagac 120

catcaccctt gaggtcgagt cctctgacac catcgacaac gtcaaggcaa agatccagga 180

caaggagggc atccccccgg accagcagcg tctcatcttt gctggcaagc agctcgagga 240

tggccgcacc cttgcggact acaacatcca gaaggagtcc accctgcacc tggttctcag 300

gctccgtggt gggatgcaga tatttgtaaa gaccctgact ggcaaaacca tcaccctgga 360

ggatgagtcc tcagacacca ttgataatgt gaaggccaag a 401

<210> 9956
<211> 347
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189085a03b1

<400> 9956

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cccgcaggac ttcgtcaacc tgcacaaccg cgcccgcgcc gtggacggtg tcggcccggt 120

ggcgtgggac aacaacgtgg ccaggtttgc gcaggactgg gcggcgcagc gcgccggcga 180

ttgccggctc cagcactccg gcgggccgtt cggcgagaac atcttctggg gttccgggca 240

gtcgtggacg gccgccgacg cggtgaagct gtgggtggac gagaagcaga actaccatct 300

tgacagcagc acctgcgacg ccggcaaggt gtgcgggcac tacacgc 347

<210> 9957
<211> 303
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189085a04b1

<400> 9957

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tcctcgcctt tctccttgag gttcatcgca gaaacaagaa actcgcagcc atggacagat 120

ctgctgtttc tcaggccctt ccggtgcacc aggaagacga ggacctgttc gagacctgct 180

cctgcttctc ctgcgactcc gacgacgagg cccagttctc agacggcgag gaccagtttg 240

tgccggcttc cccgccggtg cggagactca actctgacag cgtctacgat ctgtcgtcca 300

tga 303

<210> 9958
<211> 325

<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189085a05b1

<400> 9958

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gagaggtgtg tggagatctg taaatagcag gtctaggatt agatcgagtc ttgcccaagt 180

ggtgtctggc gctatgccga ggaggagcgc gccgccggcg cacgcgagct gcgcctgggg 240

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gacggcggcg actccttcaa taagc 325

<210> 9959
<211> 353
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189085a06b1

<400> 9959

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gcgatgttcg ggtaccggaa ggcgccggac ctcgacctcg aggcgggcgg ctcggcggcg 180

ctctacccgg ggatgacgga ggacgtggag ctgcgctggg ccttcatccg caagatctac 240

gtcatcctct cggtccagct cgccatgacc gccgccgtcg cggggttcgt cgtcaaggtc 300

cccgccgtct ccgagttctt cgtctcctcc aacgctggcc tgggcctcta cat 353

<210> 9960
<211> 321
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189085a07b1

<400> 9960

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cgcgctaccg cgatggccgc cggcggcagc ggcggtggcg gagacatcgg ggctgattcc 120

gagcggcgcc tcaagaaggc tatggacaag ctctaccact tgcccaagcc caagcctagc 180

cccagccccg gctccaaacc ctgctgctcg tccactccca gctcgtggag ggcggggaag 240

gcggcggatg ccgggaggag gttcggggtt gtgcgggggt cgcggctccc gccgcagatg 300

gccgccatgt cagcgatgtc t 321

<210> 9961
<211> 452
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189085a08b1

<400> 9961

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tgatcatcat agacatagtg cttggatctt ctctagagac aataactgaa accgaactgc 120

tgatggacat gctgatgttc atatgtacca gaggacggca acgggatgaa aaggagtgga 180

gcacgatctt tacgaaagca gggtttagca actataagat tgtcaagaaa cttggccatc 240

gaggtgtcat cgaggtctat ccataaggtt ggtgcagatg cccatctggt gtgtgttcta 300

tatgaatagt agtgtgaaat aagaaataaa taagtacagt gccttactcg tcaatggaaa 360

atgcaacaaa ttcttaagta gacgaagtgg taaggggccg gtcgcttgag aactgtatgc 420

acgtaaccac tcatatgtat gtatgtatgt at 452

<210> 9962
<211> 379
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189085a09b1

<400> 9962

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ggagaaggga ggagaagaga gaacctattc tccccccact cccactcctc gcctcacttg 120

gagagtcgat cgatcgatcc gcgggcacaa tgttccaagg gtgcggcctg ttcgcgtgcg 180

tgagccggcg cggcgcggac gtcaggaagc gcggggaggc gggcgcggcc agctcgcggg 240

tcgcggcgga gccggcggtg tgggaggagg aaggaggccg actgcgccgc caggcagatg 300

gcgtgggcgg aggtagagtc cgccacgggg gccttctcgt cccgggtcat cggccacggc 360

ggcttcagca ccgtctacc 379

<210> 9963
<211> 420
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189085a10b1

<400> 9963

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aagaaagagg cctgctggac tgtttcaaat atcactgctg gtaacaaaga tcagatacag 120

gctgtgatta ctgctgggat tattggacct ctggtgcatc tgctgcaaac ggctgaattc 180

gatatcaaga aggaggctgc ttgggccatc tcgaatgcta cctccggtgg ttcccatgac 240

caaatcaagt atttggttag cgagggctgc atcaagccac tgtgtgacct cctgctttgc 300

ccagatccaa ggattgttac tgtttgcttg gagggtcttg agaacattct caaagttgga 360

gaaactgata agaatttggg tgcttctggg gaggggaatg tctatgcgca gatgattgat 420

<210> 9964
<211> 289
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189085a12b1

<400> 9964

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cctgggcgcc atggcgaagc ccggcatggc cgacaagctc cgcgccggcg gtgtcatcag 180

gatgcagtac aagagggtgc catgcaagta ccccggcgtc aacattgcct tcagggtgga 240

ccagggcgcc aacccttct acttcaagac cctgatcgag ttcgaggac 289

<210> 9965
<211> 298
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189085b02b1

<400> 9965

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cactgtggtg gcacgcgcac tcctccttcc tgcgcgccac cgtgtacggg gccctgatca 180

tccgccccg aaacggcacc gcctaccct tgccggcgcc ggaccaagag gtccccgtcg 240

tacttggcga gtggtggagc cagaatgtcg tcgacgtcga gaaggacgcc gtcatggc 298

<210> 9966
<211> 268
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189085b04b1

<400> 9966

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gtgaaggagg gagcactggc ctgtaacgag gtagtcgtgc aaaagctgag aagatgggtt 120

caacatcctg cccttctact aaatcagatc atagacacaa agctggcaac ttgaatgaag 180

ccgttataga agctcctatg cccaacaagt cctacatagt gccccaagca ggggcgacaa 240

atgttactgt gcatcaggag gagaaagt 268

<210> 9967
<211> 419
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189085b05b1

<400> 9967

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tggagatgga gagcgaggag gccgcggaga ggtgggggca cgccatcaga gatcgcttcg 180

cctcgcttgg ttgttaatgg tctgctccaa agagatgatt gggacaaagc aataaaagtg 240

ccactaggga tcattccagc aggtactgga aatggaatgg tgcaaggtct attgcattct 300

gctggtgaac ccttctcaat gtcaaatgct gtgtttgcaa tcatcagagg tcacagacgt 360

gccctcgatg tcacttctgt tgtgcaggga aagacaaggt ttttcagtgt catgatgct 419

<210> 9968
<211> 393
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189085b06b1

<400> 9968

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ctgtcactgc aactgtatcg gcggtctgtg cgaccgtggc agtagtgata accatcgtga 120

tgatcagagg atgccgccgt tggaggtgga aagtttacaa gaagttcatg gccaagatct 180

ccgacgaggt caacagaagg aaccgagagc tggaagcatg cgctgccgtg aacgatgtgg 240

tgatcgagat cggccccgtg gagaagttcc tccacgagat cctcaacgag aagccgatga 300

ggttcagctc ggagcagctg gcgtcgtgca ccggggacta ctccaccgag ctcggctccg 360

gcggcttcgg ggtggtctac aaggggggagc tcc 393

<210> 9969
<211> 393
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189085b08b1

<400> 9969

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cttgccgtgg tcagggcaga tgatcctagc ctcgccgatg gagggaggct catagacccc 180

aagcctaccc caaaacccat tccataactg atgcctcaac ccaaccctaa aatgccggac 240

ccgaacccaa gcccagaccc aaacccaaag cccacgactt ctgcaatgcc ggaacccaac 300

ccaataccgg acccagatgc caagccacaa ccaaaaccaa tgccttagtc tgacccgaag 360

ccaactgctg aaaagccaaa gcctgaacct cag 393

<210> 9970
<211> 440
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189085b09b1

<400> 9970

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cgcccattca tcaggaaagc aatcaacaac atcttctaca gatttatatt tgaaacggaa 120

aagcataacg gtattgcaga gctgctggag atcttgggca gtataattaa tggttttgcc 180

ctgccactta aagaagagca caaattgttc cttctccgtg cactgatccc acttcacaag 240

ccaaagtgtg tagcaatgta ccatcagcag ctatcgtatt gcatcacaca gtttgttgag 300

aaggactgca aacttgctga cactgttatt aggggcttgc tcaagtattg gcctataacc 360

aacagttcaa ggaggtgatg ttcttgggtg agcagaagag gttttagagg caacacagct 420

tgcagagttc caaagatgca 440

<210> 9971
<211> 274
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189085b10b1

<400> 9971

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cctccccccgc gccgcgagcc cttccctcct gttcgtcgcc actgctgtct ctcctcttcc 180

tccccgctct agcccctcca ggtcgtcgct cgcggtggtt ccagatcctg cgctggtcgt 240

ccccatgggt gaggagggga gggatgggtc ttca 274

<210> 9972
<211> 435
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189085b11b1

<400> 9972

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ctctcactga ctgcggcggc ggtgatggga cgacggccag gtccatcgtc gaggcctacc 180

cgcacatcaa gtgcactgtg ctggaccttc caaaggtcat ggacaaagtt cttcttcccg 240

ctgaagaagg agcggttaag tatgtttctg gtgacctgtt ccacgtcgtc ccacctgccc 300

aagccgtgtt gctcaagctt gttctgcact tctggagcga cgaggattgc atcaagatcc 360

tcgcacaatg caagaaggcc gttcctcccc gagaagcagg aggaaaagtc atcgtcatag 420

acattgtgct tggat 435

<210> 9973
<211> 259
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189085b12b1

<400> 9973

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tgccttgcat cggctggact ctgctgcctg ctaaatctat ctcatctgct gccaacggcc 120

tcctggcctt atccccagcg cgcaccgaac cggacgcatc tcccgcgcgc cacacattcc 180

tagactgcgc ctgctcccac aaccctgtct tctgccctgc ccaccccgcc ccgatttgga 240

ttcttacgcc ggccacctc 259

<210> 9974
<211> 377
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189085c01b1

<400> 9974

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cggccaccat ggccagaacc ccccggccca cgctccggcc gccgccggcg gcaaccagcc 120

caccttcaag atcttctgca aggctgacga gggctactgc ctctccgtcc gcgacggcaa 180

cgtcgtcctc gccccctcca acccccgcga cgagcaccag cactggttca aggacatgcg 240

cttcagcagc cagatcaagg acgaggaggg caaccccgcc tttgccatcg tcaacaaggc 300

cactggcctc gccgtcaagc actcgctcgg ccagtcccac cctgtgaagc tcgtgccatt 360

caacccggag tacctcg 377

<210> 9975
<211> 393
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189085c02b1

<400> 9975

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atggacggct tcggcgtcaa cacctacacc ttcgtctccc gcgccggcaa ggcccactac 180

gtcaagttcc actggcgccc cacctgcggc gtcagctgcc tcatggacga cgaggccacc 240

ctcgtcggcg gcaagaacca cagccacgcc acccaggacc tgtacgactc catcgacgcc 300

ggcaacttcc ccgagtggaa gctcttcgtg caggtcatcg accccgacga cgaggaccgt 360

ttcgacttcg acccgctcga cgacaccaag act 393

<210> 9976
<211> 387
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189085c04b1

<400> 9976

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gtgttagctg ttgctgttgt gatggatcca cgttttaaga tgaagcttgt tgagttcagt 120

tactcaaaga tttacggcgt tgaggctgca aagtatgtta aggtggtaaa tgattcggtg 180

catgaccttt ttaaggatta tgtggcacag ccgctcccct taacaccggc ctatgctgaa 240

caagggaaaa ctgataatgc tactgccaat gggaacaaca cccaagcaac tcaaccttca 300

actggtgatg gccttcaaga ctttgatata tatctttctg agattgctac aacccagccc 360

tcaaaatctg agctagagca gtacctg 387

<210> 9977
<211> 366
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189085c05b1

<400> 9977

tcgatatgaa tagagcttga tcaagaatgt ttcaattgca tcactgaatt gatttttca 60

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aattgctcag ttttttatgc gtctcaccaa gggttatttc atcttcatct tttcatcaat 180

attgttgaaa taccgcgtgg gtggattttg tatggctctc tcacaatttc cttctgatgt 240

cccttgatct tccttttgct ggtagataat tcccatatga atagagcttg agttttacca 300

tggactttac acgagtttca aagccacagt tccaatcttt tttaaaagtt ttctcatacc 360

ttaatt 366

<210> 9978
<211> 398
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189085c06b1

<400> 9978

taaaactaca gaggaaaaca agtctaccaa ggagatgctg ttctatgaat cgtctgtgcc 60

ggcatcaggt gatgaagaca atgtggttca ggaaaagaga gaagaaggtg atgtttctgt 120

agagaattca ggccaaccac catttcaatc aaaaatttgg aatgaaaaag aagaggatga 180

caaaagtaca gaggaaaaca agtctaccaa ggagacgcat tcgcgaggtt cctattttcc 240

cgaatcgagt gtgccagcat caggtgatga agacaaaaag ggagaagatc aattctctgt 300

acacaattta ggccaacatt cacttttatc ggacatcgga gataagaaag agcatggcat 360

aacaatggag aaaaagaagt ctgccgagga catgccac 398

<210> 9979
<211> 397
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189085c08b1

<400> 9979

tgctatgcca ccgatgagac ccctgagctc atgcccctca gccatgtgct tgccaccaag 60

ctgggtgccc gcctcactga agtccgcaag aatggcactt gtgcctggct aaggcctgat 120

ggcaaaaccc aggtcacggt tgaatacctc aacgagggag gtgccatggt tcctgtacgt 180

gtgcacactg ttctgatctc cacccagcat gatgagactg tcaccaatga tgagattgct 240

gcggacctca aggagcatgt catcaagccg gtgatccctg agaagtacct ggacgagaag 300

accatattcc acttgaatcc atcaggccgc tttgtcattg gtggccctca tggtgatgct 360

ggtcttactg gtcgcaagat catcatcgac acctatg 397

<210> 9980
<211> 393
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189085c09b1

<400> 9980

gctaacgcct gctgccccca aactcccaac tacccgctta ctcctgagtt ctgagcccgg 60

tcgatccccg ccgcagccac cgacgccgac tccgtgaact cgcacgggga acctcgccat 120

ggccgccgcg tcgtgcgcca cctccgtcca cgacttcacc gtcaaggatg caagcggcaa 180

ggacgtcgac ctcagcgtct acaaggggaa ggttcttctc attgttaacg tcgcatccca 240

gtgtggcttg accaactgca actacaccga gctgagccag ctgtacccga agtacaagga 300

ccaaggcttt gagatcttgg ctttcccatg caatcagttt ggtgggcagg agcctggcac 360

caatgatgag atcgttcagt ttgcctgcac ccg 393

<210> 9981
<211> 291
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189085c10b1

<400> 9981

cggacgcgtg ggcgaggcca tggcgcggct gaccacggac cagctcagcg agcccgggtc 60

gccggagaac atgctgtact accacatgat cccggagtac cagacggagg agagcatgta 120

caacgccgtc cgccggttcg gcaaggtgcg gtacgacacg ctgcggctgc cgcacaaggt 180

ggtggcgcgg gaggcggacg gctccgtcaa gttcgggcag ggcgagggct ccgactacct 240

cttggacccg gacatctaca cggacggcag gatctcggtg cagggcatcg a 291

<210> 9982
<211> 373
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsrow189085c11b1

<400> 9982

aaacaagaca gcgcgaagtg gagagtggag aaccaagccg tagctccggt aaagcttcag 60

ctacgatgag gacgccgccg gagatgccgc tgggtctccc cttcaccgtc gacacatggg 120

gcccatcccg ccgccaccgg tgccaccgct tcatcaccca cgcgcacacg gaccacattg 180

ccggtgcctg ggccggcccc ggcgacaccg tctacgccac gcagctcacc atgcgcctcg 240

ccctcgaacg ctatccccag ctggagcggg ttaagtttgt ggaaatggag gtgggaaaga 300

ggtnngttgg tgggacgacc ctgacggcgc cttttccgtc accgcctacg atgccaatca 360

ctgtgctgga gcg 373

<210> 9983
<211> 423
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189085c12b1

<400> 9983

gaagaaaact gcggttcata aaacgccaat tatggatatg gatccatctt gctgcgctgg 60

atgaagggct ggatatggat ccatcttgct gatttggaag aaaactgcag ttcatacaat 120

gctaattatg gatatggatc catctaatac agttcttcac aaagcccagg aatcgcaagg 180

gttcaattgc tttcggggtc gtacttttct tggtccttat tggttggcct gtcttcggca 240

tgatggcgga ctcgtatggc tttgccctgc tattctggtt atcctctatt gtgcattaat 300

atgatcatct gatgtctgtt tttcagtgtg cattaagaaa tggtagaaac ttttgggtat 360

tgtatctgac tggtactgaa tttcctcaca acagcttcta gcccgctgct gctgtttacc 420

tgc 423

<210> 9984
<211> 313
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189085d01b1

<400> 9984

tccgtgcgtg tggataaata aaacctacta gtacctatct atctatgtac tatctagatg 60

gcacctggaa ctttagctgt tatccagggt gcccgtaagt cggtccgttg tgtcgggtgc 120

cgctgggaac gttcccatgg atgttaccgt ttgtggtgtt ggcgttgttg aaccaaccaa 180

cctgacccta gcttaacctt gcttggattg gatgatgtgc tagctagcta gagctagagc 240

tagagttaga ccatgcatgg ctgatggtat gtattgaggg atcatatcta tctatctcca 300

tcctgacttg gtg 313

<210> 9985
<211> 407
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189085d02b1

<400> 9985

ttataatggc aggaccaacg gcatactttc gaagtgctga aatgtctccc caagaattca 60

tagagattgt acatgcttac tggaacacta agctacatac aacactggtt cacgcattgg 120

agccatattc caaacaagta aagagatgca tagaaatagc tttaaattgt gtggatgcag 180

atcgacacaa aagaccaagt ataggggaaa tcattaatgt tttgaatgag atggagactg 240

caatacaagt ccctggcgct tcaatgaatc acacagggtc atcgatgaac aagataaata 300

gcgaccagga aagagagttc ctaattaggg atgcacagga aacgctggat tatgtacatc 360

gaggacaagg gaacacatca ttcgaggact gccgacaaac tcacata 407

<210> 9986

<211> 259
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189085d03b1

<400> 9986

cttactcggt tgtcctatgt ccatctggac cagctagtct tgtgccctta tcttggcgtg 60

ctatctccgg cgactccatt cttcatcgcg gctgaacaag aagtggttgt cgatttctgt 120

cacgacttaa gatcgagcca gcttgcgttt tgttgcggaa atcttgggtg cgatgttggc 180

cgggggatca cgatctttgg tgcgccgctc tcctgtcccg cagatcgacc gagccaacta 240

cagttcttat ttatctcgc 259

<210> 9987
<211> 283
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189085d04b1

<400> 9987

ttcatgttca agagtgaggg caggatcttg cctgatggag tcaacgcgaa gctgctcgga 60

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agcagaagtc tatccgttct atcgcaactt attttaccgt gtggaactta gattccaagt 180

gcctgtggtg ctatgttatt ttgtctgaat gttgtgtcga accttgttat ggaagatatt 240

atctattttg tgatgatggt actaatatga atggcctgtt gaa 283

<210> 9988
<211> 322
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189085d05b1

<400> 9988

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ggcatcaggt gatctataca atgtggttca tgataagaga gaataaggct atgtttctgt 120

agagaattca agccaaccac catttcaatc aaaaattttg aatgaaaaat aagaggatga 180

caaaagtaca gaggaaaaca agtctaccaa ggagacgcat tcgcgaggtt cctattatac 240

cgaatcgagt gtgccaccct caggtgatga agacaaaaag gtagaagatc aattctatcc 300

acacaattta ggccaacatt ca 322

<210> 9989
<211> 361
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189085d06b1

<400> 9989

gcgtccacgc gtgcgcccac gcgtccgccc acgcgtgcgg gttgcactag gatccccgtt 60

caccttttgct accactctag aacaggagta caagagtgat atctttgggg agcgaggaat 120

tttgctgggt gctgttcatg gcatcgtgga ggctctgttt aggagataca cagagcaagg 180

aatggacgag gagctggcat acaaaagcac tgtggagggc atcactggaa ttatctccaa 240

gaccatctca aagaagggga tgcttgaagt atacaactcc ttgagcgagg aaggcaaaaa 300

ggagttcaac aaggcataca gtgcatcatt ttacccttgc atggacatac tctacgaatg 360

c 361

<210> 9990
<211> 372
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189085d07b1

<400> 9990

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aggaggagaa gccgcccgcc gatgactcca aggccctcgt cgtcgtcgag aaggttgcag 120

atgaacctgt tgctgagaaa cccacagatg agaaggctgc acacggcggc tcaaatgaca 180

gagacctcgc tcttgcaagg gtggaaagtg agaagaggaa ctctttaatt aaagcatggg 240

aggagaatga gaagacgaag gctgagaaca aggctactaa aaaggtgtcc gctattctct 300

catgggagaa caccaagaaa gcaaacatag aagctcaact gaagaagatt gaggagcaat 360

tggaaaagaa ga 372

<210> 9991
<211> 392
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189085d08b1

<400> 9991

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tatggtggaa ctagagagat ctgctggaga aacttcagag tataataagt tcgtaaacaa 120

ctactgctcc aaattagatg atatcatctg gaaagtttct gctgagaagg gaaaatctag 180

gacatcccgg ctatcgaagc gctaacttat gcacctatta caatttaact gtaaccatgt 240

gggtttgctg caggtattgc gtatagctgt ttcgcttggg ttacgtacat cacgggcttg 300

gctaatgagt gtactagtgc agtttatcat aattgatcta tgatctttga gttatatact 360

accctgacct aagacgtctt atatttgttt ac 392

<210> 9992
<211> 427
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189085d09b1

<400> 9992

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actgcaccga caagatcatc gtcgagtacc tctgggttgg aggatccggt atcgacatca 180

ggagcaaagc aaggacggtg aacggcccca tcaccgacgc gagccagctg cccaagtgga 240

actacgacgg ctccagcacc ggccaggctc ccggagagga cagcgaagtc atcctctacc 300

cccaggccat tttcaaggac ccgttcagag gggtgacaac ctccttgtta tgtgcgactg 360

ctacacaccc aaggtgttgc aatccccact aacaagaggc acaatgctgc caagatcttc 420

aacaccc 427

<210> 9993
<211> 371
<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189085d11b1

<400> 9993

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tgaacgaggt ctacgacatg gagctctacg agtggaccaa ggttgacctc tctgacgagg 120

cccagaagaa gcgtgtcgaa gccatgatcg aggaccttga gccgtttgag gggcaggcct 180

tgctggacgc caagtgcttc aagtaagcgg atcagtgctt tggatcgtga tggcggtgac 240

aaaagaacct atctaggact caaattcagt gtcgaaacag ttgtcttttt tggaagagtt 300

tgcttgttac ttaatggcta tttgacctgg tgaacttgtt aatttttgtg ccatgctaag 360

agtttttggg t 371

<210> 9994
<211> 473
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189085d12b1

<400> 9994

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ttccagaagg gcatgtggag gatattgtgc gtgagctatg tgctgaaagt ggagccgctg 180

aggatgatgt ccttgcaaga atggagaaac tttcagaagt aaatccaatg cttggtttcc 240

gtggttgcag gcttggtatt tcgtatcctg aattaacaga aatgcaagcc cgggccatct 300

ttgaagctgc tatatccatg accaaccagg gtattcaagt atttccagag ataatggttc 360

ctcttgttgg aacacctcag gaattgggac atcaggtggc tcttatccgc caaattgcta 420

acaatgtttt caccaatatg gggaaaacca ttgattacaa agctgggact atg 473

<210> 9995
<211> 412
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189085e01b1

<400> 9995

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ctccaaccgc gccgagctgg tggggctgta ccaggacggt tccatgctca ccttcaaggg 180

cgagaagttc ggcggccccg ccgccatcgc cggcaagctc ggatctctcc ccttccagca 240

gtgccagcac aagatcgaca ccgtcgactg ccagccctcg gggccccatg gcggcgtcct 300

cgtgttcgtc tccggcacca tcaccaccgg ccccggcgag caccccctca agttctcaca 360

gatgttccat ttgctgccag ctggagggag cttctacgtg cagaacgaca tg 412

<210> 9996
<211> 346
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189085e02b1

<400> 9996

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gaaagaaagg tggaaagaag aaggcttctg acccattttt gagaaaggaa atgaccacta 120

ttagatctcc ctctatgttt tctgttagaa atgctggtaa aactattgtg accaatacta 180

ctggaacaaa gattgcttct gagtctttga agggtcgtgt cttcgagcac tctttggctg 240

atttgaacgg cggagatgag tctcagggtt atggcaagat ccggttactt agtgaggatg 300

tttagggaac taatttaatt accaacttcc atggtatgga cattac 346

<210> 9997
<211> 367
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189085e03b1

<400> 9997

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catggagaac gagttccagg atggcaagga tgaggtcata caagcatggt acatggatga 120

cagtgaagag gatcagaggc ttcctcacca ccgtgacccc aaagagttca ttcctgttgc 180

caaactttca gaattaggtg ttgtaagctg gaacctaaat gctgataact gggagaaaga 240

ctagaatctc aagaaaatcc gcgaggccag gggatactcc tatgcggaca tgtgcgacgt 300

atgtcctgag aaattgccaa actatgaggc caagctgaag aatttctttg aagagcactt 360

gcatact 367

<210> 9998
<211> 370
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189085e04b1

<400> 9998

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gctgacgcgg gcgctgcggt cgagcgtgcg gccggtgaag atactcaagg tggcggtgta 180

ccccggcaac gtgctgtcgc tgcacttgtc caagccgcag gggttccggt acaagagcgg 240

gcagtacatc ttcgtcaact gcgccgccgt ctggccgttc caatggcacc cgttctccat 300

cacgtcggcg ccgcaggacg actacgtgag cgtgcacatc aggacgctgg gggactggac 360

ccgggagctc 370

<210> 9999
<211> 341
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189085e05b1

<400> 9999

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gcgccgccac caccgtcatc aggctggtcc acatccacgc gctgctcggc gtcactaggt 120

caccggcaca actcctcaca cctaggtcgt tcaacatttt cttccgcttt tggtgcgtca 180

catttagagt ctttctttct cattttaccg tgtttgcatg gtaagatgtt tggtcggatt 240

tgaaggtttg taaccttggc tccaaagctt caagctctta tagaaattag aaccgatggc 300

cttttaaaat gagtcctgca taatagtgtt gttcagtggg a 341

<210> 10000
<211> 356
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189085e06b1

<400> 10000

gcgtccacgc gtccgccacg cgtccggaga ctttcgagaa agacactgtg aagtatacac 60

agtatcaaag agcaattgct aaggctttgg ttgataaggt ctcagaggat gaagtttcca 120

caactaggac ggtcttgatg gttgttggag caggccgagg gcctctcgta agagcatcat 180

tgcaagctgc agaagaaact ggtcggaagc taaaagtata tgcagtggag aaaaatccta 240

acgcagttat tactcttcat agtttgatca aattggaagg gtgggaaagc atggttacta 300

ttatttctag tgacatgcgg tgctgggatg ctcctgaaaa agctgatatt ttggtc 356

<210> 10001
<211> 327
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189085e07b1

<400> 10001

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tcgatcgcca tgtcctcctc cacggggagc ttggaccacg cagggttcac gttcacgccg 120

ccgcccttca tcacgtcctt caccgagctt ctgtcagggt ccggcgccgg cgacgcggag 180

cggtcgccaa gggggttcaa ccgaggggcc cgggccgggg cgcccaagtt caagtccgcg 240

cagccgccca gcctgcccat ctcgtcgccc ttctcctgct tctccatccc tgcgggcctc 300

agccctgctg agctgctcga ctccccc 327

<210> 10002
<211> 338
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189085e08b1

<400> 10002

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gatctgaagc agcagctgcg gcagctggcg gggagccgtg cgccagacgc tgatgatcag 180

cgccgggatg tcttcaagcg ggtgatctct tgcatgaccg caggtatcga cgtgtcggcg 240

gcgttcgggg agatggtgct ctgctccgcc acctccgacg ttgtgctcaa gaagatgtgc 300

tacctctacg tcggtgtcca tgcgcgcgcc cacccgga 338

<210> 10003
<211> 375
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189085e10b1

<400> 10003

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ccgcagagcc gcagggagag aaggcaagga ggaaggaagg ggaagatgcc ggcggggcac 120

gggctgcggt cgcggacgcg cgacctgttc gcgcggccgt tccgcaagaa ggggtacatc 180

ccgctcacca cctacctgcg cacctacaag gtcggcgagc acgtcgacgt caaggtgaac 240

ggcgccgtcc acaagggcat gccgcacaag ttctaccacg gccgcaccgg ccgcgtctgc 300

aacgtcacca agcgcgccat cggcgtcgag atcaacaagc aggtcggcaa caggatcatc 360

aagaagagga tccat 375

<210> 10004
<211> 258
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189085e11b1

<400> 10004

gtccttgtgg acccctgccc cgttccccgg cgacgacccc gactccgccg tcgtcgccgt 60

gcactccaag cccgcctggg acaagcactg ggaggaacac cggagcgcct ccaagctgat 120

ggtcatagat ttctccgtct ccaggggcgg gccctgccgc ttaatcgagc ccgacttcaa 180

ggagatggcc tcccgcttca ccgacacgct cttcgtgaag atcgacgtcg acgagctcgc 240

ggaggttgca aagacatt 258

<210> 10005
<211> 470
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189085e12b1

<400> 10005

tcacgcgtgc gatgcactcc actgtgttta gtacatcttt gaaacttctt tatgctttgt 60

aaagcagtac attgtgtaat tgttagttac ttttgggtag ttcgaaatat tgcacatttg 120

aatgaaataa gacattgtgc atgcctaata acataaggta catgagctgt cttaactcca 180

gtttatgcaa aaggaaaaat aattagtgca ttgcagaaat atcacattgc cagcgctaaa 240

tggctgaatg tcgataagaa ctgcctagtt cgacgtttca ccacatgaga gttgcacaaa 300

taaattatat attctaccta ccccttttga gttcttgaat gtttcaatgt tgaaacatcg 360

aagcactact tttttcattc cgtagctgct tatattttct ctggaagttt gcttcaaatt 420

tgatgtcaat ttctcgtcgt ttttattcat aatctgtgca gaaaacggag 470

<210> 10006
<211> 253
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189085f01b1

<400> 10006

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gacgaacggc agagaaaagt gaggtgatca tgagcaccat ggcgatgtcg gcgctgaacc 120

cggacgcgcc catgttcatc ccggcggcgt tcaagaaggt ggaggactac tcgcccgagt 180

ggtgggagct ggtcaagacc accgcctggt tccgcgacca ctggttccgc cagcaccagc 240

tctacgagga cct 253

<210> 10007
<211> 415
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189085f03b1

<400> 10007

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tgctccgctg ccgcaaagaa gatcaccata atgtggaatc tgtactgcat tcagcaaaga 120

atgagtatgc atcaaaagca gatgtccatg agcccgagat actagttgac cacagtgtct 180

acctgccacc ttctccgagc catggcgatg agcacggcca gatttgccat ggaggtgttg 240

tgctggcttc tcgagatgga aagattgtgt ttgagaatac agttgatgca aggcttgaag 300

ttgttttccg caagaaattg ccagagatcc ggaagcttct tgttgcggca taatgcgcac 360

ttgtattttg gtgatggtac agctgtttct atgtaaaatg gctgctggtt tgacc 415

<210> 10008
<211> 427
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189085f05b1

<400> 10008

ttacgcgtcc gcccacgcgt ccgtgccatc ttcataccaa gcatttggga tgcattccag 60

tttactggtg ccacagctgc cgttttgatt ggttttatct ttcctgccat ggtcatatta 120

agggatcctt atggaatcgc aaccaagcgt gacaagatat tggctgtaac catgatcgtg 180

cttgctgttg tctcaaactc tgttgcccta tacagtgatg cgatgaacat cttccgtagg 240

aaagaggtag cctgaaattc aggcttcaaa gttcaaagga agggtgtcac tgatgcagga 300

agcgcagttt catattacaa aattcagtgg ctttgaagga agatggtttg ctgggatgct 360

gtgaagaaag atgatttctt tggtcagcaa ctcagcattg agacctgaca catggaagaa 420

ttggatg 427

<210> 10009
<211> 421
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189085f06b1

<400> 10009

tccacgcgtc cgattgatta ccattgttgg aagtgtgaag gaatctgctc aaatccctac 60

agaatcaagt caggagcttg ctatgctgca ggttaaaaca gtatacctcg aacatgttcc 120

tctttcttgg gataagggca aagttaaaga atgttgcaaa gcatatgggg tgattcagga 180

tgttcacact ttaaagaagt caaaaacgaa aacttctttt gtcgaattct catccaggaa 240

gagtgcatta gcttgtgtgg aaggaataaa cagtgccaat tttggtggtg aagttaagct 300

ggctgcaagt cttgctcgac cacgtcggga aatacaactg gacaagaaga gtgctaaagg 360

tggggtcaag gtcaatagtg acgcaacttc taaagacacc aacaattcta ttaagaaaaa 420

g 421

<210> 10010
<211> 207
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189085f07b1

<400> 10010

ttctcacact ccaccgagct ctcagtcaca agtcacaatg gctactagca ctaagcttgt 60

agctcttggc tttgttgtcc tcgtgagcat tgggttcacc aatgcttgaa ggatgctggc 120

tagctcaagt gctggaggtg gaggcggggg aagcgggggt ggtggcagct cgtcgggtgg 180

ggttgggagt ggatgggggc atggagc 207

<210> 10011
<211> 295
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189085f08b1

<400> 10011

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gaaatgtcgg cgacgtgcgc ggcggacctg gcgccgctgc tgggcgcggc ggcgatgaac 120

gccacggact acctgtgcaa caggttcgcc gacaccacgt cggcggtgga ctcgacctac 180

ctgctcttct cggcctacct cgtcttcgcc atgcagctcg gcttcgccat gctctgcgcc 240

ggctccgtcc gggccaagaa caccatgaac atcatgctca caaacgtgct cgacg 295

<210> 10012
<211> 388
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189085f09b1

<400> 10012

tcgagctcct cctactcctc tgttttgtct gcgcgcgcgc ggggacggag gcatcgcaga 60

ttcctcggtt gccgctgcgg tccaagaacc gggattcggc ccttggttcc actccccaag 120

gtgcatttgt gtggaccaag atgacaatat aataattgcc tagcagaagc cacccaacct 180

gtaaattcag tcttctctgc ttccagcaaa atgtcagtcc ggcgacggtc ggagagcatg 240

gagggtctgt tcttattcga tgagcgaaaa gaccggaggt cggacgtgga gaactcagag 300

gatgagagga gaaggctgtc cattggcggg tcactcaaga agaaagcgct gaatgcatca 360

agcaagctca cacattcgct caagaagc 388

<210> 10013
<211> 402
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189085f10b1

<400> 10013

ggaggagagc ggcggcgaag atggcgccgc ctcctccgtc ctcgcagacg ggaggaacgc 60

cgcgctcgcc accctcgcca acctgggccg gaactccacc ctgcccgccg catacgccca 120

ccacaccaac gccgccgcct cctcccacgg ctacgcatgg atcgccgcca tccccgccgc 180

cgtgtacatg ctccaggatc aggaggtgca tgccgccgag atggaacgca ccttcatcgc 240

catcaagcct gacggcgtcc agagaggcct catttctgag atagtgtccc gattcgagag 300

aaaagggtac aagcttgttg ccatcaagct ggtggttcca tccaagcagt ttgccgagaa 360

gcactaccat gatctcaagg aaagaccttt cttcagtgga ct 402

<210> 10014
<211> 390
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189085f11b1

<400> 10014

ttaatctcct ccccccacgt cgctcccgcg aggcgaccgg ggggcaaccc taaatcccgc 60

cggtctccgc cccctctccc ctccccctcc ctcgccgccg cccgtgggcg cggctgggca 120

aagcccagcc gtcgccggcg gcggcggggc ctcatcgtcc tcctgctcgg gcggtgctgg 180

cgcgggccgg cgcctcgggt cggagcgtgg agctgtgccg ggcgacacgg cggtgcagcg 240

ggcagaggcg gagctccggt gcctctgctc cccctcgacg ggcggccagg tgttggtgcg 300

tgctcggctc tccgagatcg gcgacggcgc ggccagatct gacgggcgcg gctggatctg 360

gggccgggcg acgcgggccg agggcggcac 390

<210> 10015
<211> 443
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189085f12b1

<400> 10015

tcgtccgccc gccgccgtcg ccgcacagcc gcaggtagag aaggcaagga ggaagggaag 60

atgccggcgg ggcacgggct gcggtcgcgg acgcgcgacc tgttcgcgcg gcccttccgc 120

aagaaggggt acatcccgct caccacctac ctgcgcacct acaaggtcgg cgagcatgtc 180

gacgtcaagg tgaacggcgc cgtccacaag ggtatgccgc acaagttcta ccacggccgc 240

accggtcgcg tctggaacgt caccaagcgc gccatcggcg tcgagatcaa caagcaggtt 300

ggcaacagga tcatcaagaa gaggatccat gtgcgtgtgg agcacgtgca gccatccagg 360

tgcaacgagg agttcctcca gaggaagctc aacaacgaca agctgaaggc ggaggccaag 420

gcgcgtggtg aggtcatcag cac 443

<210> 10016
<211> 296
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189085g01b1

<400> 10016

tcacgcgtcc gctactagct agccatggca tcttccaaga gtagtcttgc aatgtttgca 60

ctggccatag tcatggccgt ggtggctgac gtctcggcgc agaacacccc gcaggacttc 120

gtcaacctgc acaaccgcgc ccgcgccgtg gacggcgtcg gccccgtggc atgggacaac 180

aacgtggcca ggtttgcgca ggactgggcg gcgcagcgcg ccggcgattg ccggctgcag 240

cactccggcg ggccgttcgg cgagaacatc ttctggggtt ccgggcagtc gtggac 296

<210> 10017
<211> 71
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189085g02b1

<400> 10017

tccttcgttc cctactagct agccatggca tcttgcaaga gttgtcttgc aatgtttgca 60

ctgcccatag t 71

<210> 10018
<211> 352
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189085g03b1

<400> 10018

tcacgcgtcc gggcgcgtgg tcctggtaca gggtgtccac cgccctggag gccgccggcc 60

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acagccggcc gctgctggac gcggtggcgg cgctgccgga gggcgagcag gcggtcctcg 180

tcgcccacag cttcggcggg cagagcctcg cgctggccat ggagaggcac ccggaaaagg 240

tctccgtggc cgtgttcgtc acggccacca tgcccgccgc cgggaagccc atgacctacg 300

ccttcaacca gctatcgcaa gggaaagggc cggatttctt atggattgcg cg 352

<210> 10019
<211> 396
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189085g04b1

<400> 10019

cttgccaacc cggtgaccaa ccatgtccag agtgctgagc agcacaacca ggacgtgaac 60

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tcctccacat acatggtggc gctgtgccag gccatcgacc tgcgccacct ggaggagaac 180

atcaagacct ccgtgaagaa ctgcgtgacg caggtgtcga agaaggtgct gaccatgaac 240

cccaccggcg acctctccag cgcgcgctgt agcgagaaga gcctcatcac cgccatcgac 300

cgcgaggccg tgttcagcta caccgacgac gcctgcagcg ccaactaccc actgatgcag 360

aagctgcgcg ccgtgctggt cgaccacgcc ctgacc 396

<210> 10020
<211> 298
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189085g05b1

<400> 10020

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gagcggcgtc ctcgcgcgcg acgtggcggt cgaccgcgcc acgggggtgt gggcgcgcct 180

gtacgcgccg gccgccgcgg cggggaaggt ccccgtggtg gtctacttcc acggcggcgg 240

gttcagcgtc ggctccgcgg cgtggagctg ctaccacgag ttcgtcgccc agctcccc 298

<210> 10021
<211> 386
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189085g06b1

<400> 10021

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ggcgatgggc aacaccggac cagcaggact atggccttcc tctccctcct cccctctgtt 120

tttcctcgtg ctccccggct ctctctcacg atctccctct ctctctgttt ttcatcagct 180

gcaggtcgct gtcgccttgg tcaaccctcg ccggagctcc gtcgacgccc cgttggccgg 240

atccggcccg gaaacaagca gatcccttca tcctcggtga gctccacctc ccgttcccgt 300

cgctccgccg tgcgccaagt tccctatcgt cgtgccctgc ttctacatcc tcccgcttgt 360

ctctgtgcgc gctaaaaatg aatgag 386

<210> 10022
<211> 368
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189085g07b1

<400> 10022

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tcttgctgag ggtcgtctga tgaaccttgg atgtgccact ggccacccca gcttcgtcat 180

gtcctgctca ttcaccaacc aggttattgc tcagcttgag ttgtggaacg agaaggccac 240

tggcaagtac gagaagaagg tgtacgttct ccccaagcac ctcgacgaga aggtcgcggc 300

cctccacttg ggcaagctcg gcgccaggct gaccaagctc accaagtgcc agtctgacta 360

cattagca 368

<210> 10023
<211> 375
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189085g08b1

<400> 10023

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acgcaatcag agaaagtaca tccagaataa agattttcaa taaatcattc caggagaaga 180

aaactatgcg tcctacattc tctgcagagc gtatctttgg tggggtactt ttggcaatgt 240

gttccggtga ctttatttgc ttttatgact gggctgattg tagactaatt cgcagaattg 300

atgtgactgt caagaatgtc tactgggctg atagtggtga cctagttgca atcgcaagtg 360

atacatcatt ctaca 375

<210> 10024
<211> 420
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189085g10b1

<400> 10024

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gtggcggcgg cgctggtggt caccgacagc cagacccgga ccttcttctc cctcgagcgg 180

agggccaagt acaccgacat gaaggcgctg gtgctcctgg tggccgccaa cggcgctgcc 240

gtcgggtaca gtctgctgca ggcggcgcgc tgcgccgtgg cgatggcgag gggaggcggc 300

gcgctggtca tgagcagcag ggcgctcgcc tggtcggtct tctccggcga ccagctgctg 360

gcgtacgcga tgctggccgc gacggcggcg gcgctgcagt cgtcgctcct cgggaagctc 420

<210> 10025
<211> 318
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189085g11b1

<400> 10025

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ccaagtccag cgccggtgcc tcgtcctcgt cggcgtcttc agcggccgat aaggccgcca 120

atggcgtcac ggcccttaac ttatccgatc ggacatgtac cggggtcctg gcttcgcatc 180

cgctctccca tgatatccac attgagtccc tttcattaac atttcatgga catgacctta 240

ttgcggattc agaattggag cttaactacg ggaggcggtc tggattgctc aggcttaaat 300

ggttgtggga aatctacc 318

<210> 10026
<211> 384
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189085g12b1

<400> 10026

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gtagatgcca gcgtcgaaga ggccaaggct ccacaagtgc cttcacaaga tgcaggcgtt 120

gtggcggcga acgttgtcgg gccttcgacg gtaaagccgg aggacaaaat ggaaatcgat 180

ggttgatgtt tagggataag aactgtatcg gacccccctct tcagtttagt tgctaaactg 240

gttctagtct accagtagtc agtactaatg attacctata ccaaattttc ctgtcccgta 300

tgcttgcgtt gttttattga gactttgaga ggctaccgtt gtttatggtg taaaaaaaaa 360

aaaaaaaaaa aaaaaagttc taga 384

<210> 10027
<211> 330
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189085h02b1

<400> 10027

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gctgccagta tcagcaagca ctctctaccc atgggatcca aaatcaacat acatgcacga 120

gcctccttat ttcaaggata tgacaatgac ccctcctggc gcacggcctg tgaaggatgc 180

gtattgtctt cttaacttcg gtgacagtat cacaactgat cacatatccc cagctggaag 240

catgcaccca gacagcccag ctgccaaata tctaaaggag cgcaatgttg aaaggaagga 300

cttcaactca tatggcagtc gacgagggaa 330

<210> 10028
<211> 286
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189085h03b1

<400> 10028

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tcgcaccaac cgccgccgat ggccgccgcc gccccgccgc tcgccgaggc gctcctggcc 120

gtcctgctgg cgctcgcggc cccggcggcg gccgagatcc gctccacggc gatccgggcc 180

gacccgcgca ccatcatccc gctcgacgag ttcggcttct ccaaccaggg cgtgctggag 240

ctcaacgtca ccggcatcgc cttcgacccg ccggcctccc cggacc 286

<210> 10029
<211> 345
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189085h05b1

<400> 10029

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cctccgatgg cccgcaccaa gcagacggcg cgcaagtcca ccggcgggaa ggcgccgcgg 120

aagcagctgg cgacgaaggc agcgcgcaag tcggcgccgg ccaccggcgg cgtgaagaag 180

ccgcacaggt tccgcccggg aaccgtcgcc ctgcgcgaga tccgcaagta ccagaagagc 240

acggagctgc tgatcaggaa gctgccgttc cagcggctgg tgcgggagat cgcgcaggac 300

ttcaagacgg acctccggtt ccagtcgtct gctgtgtccg cgctg 345

<210> 10030
<211> 412
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsrow189085h06b1

<400> 10030

tcgaagcaca ccgcgactgc gccactccct gcgttccgag tgacagaggc catggcgctc 60

gccacctgcc accggcacct ggtgcgtccc gccgccgcgg cccctcgcgt gccgctgcgt 120

cccctccgct tcgccgcccc ccgatctctc ccgaggattt gttgccaatc tatcaactca 180

gctaacgtgt tgggagcttc ctcaatgaca gctgacgacg cagttgcaca gccagttgta 240

ctgatagacc aagactcaga ccgtgatgca accattgtgc aactgagttt tggagatcgt 300

ttgggggcac tacttgatac gatgaaggca ctcaaggacc tgggccttga tgtgacnaaa 360

gggaagtgtg gcaactgatt catctgtcac acacacaaag ttccacatca tg 412

<210> 10031
<211> 193

<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189085h07b1

<400> 10031

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gcagagaaaa gtgaggtgat catgagcacc atggcgatgt cggcgctgaa cccggacgcg 120

cccatgttca tcccggcggc gttcaagaag gtggaggact actcgcccga gtggtgggag 180

ctggtcaaaa cca 193

<210> 10032
<211> 323
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189085h09b1

<400> 10032

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acgaacagac ggagaggcag gcagccgtca gagatgaaga agtgcgcgtc ggagctggag 120

ttcgaggcct tcattcggca gcacatcgcc gccgccgagg ccgaggccca gcggggcagg 180

cccgggcatg gaaacgacga cggcgggttc ggcggtgatc ctggcgccag agcggacgtg 240

ttctcccccg gcggtggcct gccgggcctc tgcttcggcg actcgaacgc cctggagctg 300

gaagggagca acgccggcca cct 323

<210> 10033
<211> 349
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189085h11b1

<400> 10033

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gttgattcca gcgtggaata ggccagggct ccacaagtgc cttcacaaga tgcaggcgtt 120

gtggcggcaa acgtggtctg gccttcaacg gtaaagtcag aggacaaaac ggaaattgat 180

ggttgatgtt gagggataag aactgcatgg acccccctgt taagttcagt agctaaactg 240

gctctagatt accagttgtg aggactaatg attacctata ccaagttcgc ctgtcccgta 300

tgcttgcgtg gcatgattga gactttgaga ggctacccgg gatcatggt 349

<210> 10034
<211> 277
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189087a01b1

<400> 10034

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tcggcgacat tatcgtgaca tacactcttc ccgtgatgct caatgccatt ggtctcgctg 120

gagtcttcgg catatatgcc atcgtttgtg tactagcctt tgtattcgtc tacatgaagg 180

tccctgagac aaagggcatg cccctggagg tcatcaccga gttcttctct gtcggggcaa 240

agcagggcaa ggtagcctcg gactagttgc tctgatc 277

<210> 10035
<211> 357
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189087a02b1

<400> 10035

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tccaaggctc tctcctcctc ctcctaagat gcagatcttc gtgaagaccc ttaccggcaa 120

gaccatcacc cttgaggtcg agtcctctga caccatcgac aacgtcaagg caaagatcca 180

ggacaaggag ggcatccccc cggaccagca gcgtctcatc tttgctggca agcagttcga 240

ggatggtcgc acccttgcgg actacaacat ccagaaggag tccaccctcc acctggttct 300

caggctccgt ggtggtatgc agatatttgt caagaccctt actggcaaaa ccatcac 357

<210> 10036
<211> 165
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations

<223> Clone ID: uC-tsrow189087a03b1

<400> 10036

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acaccccgca ggacttcgtt aacctgcaca accgcgcccg cgccgtggac ggtgtcggcc 120

cggtggcgtg ggacaacaac gtggccaggt ttgcgcagga ctggg 165

<210> 10037
<211> 335
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189087a04b1

<400> 10037

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ccttcctcgc ctttctcctt gaggttcatc gcagaaacaa gaaactcgca gtcatggaca 120

gatctgctgt ttctcaggcc cttccggtgc accaggaaga cgaggacctg ttcgagacct 180

cctcctcctt cttctgcgac tccgacgacg aggcccagtt ctcagacggc gaggaccagt 240

ttgtgccggc ttccccgccg gtgcggagac tcatctctga cagcgtctac gatctgtcgt 300

ccatgaaggc cgaactctcc gccaagaaag ggttg 335

<210> 10038
<211> 127
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189087a05b1

<400> 10038

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ttccccgatc ccgcccgatc cccaatctcc gacgacggcg atgccggccg gacgagagat 120

gggagag 127

<210> 10039
<211> 132
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189087a06b1

<400> 10039

tgcatctact tcccatccgc cccacgagag gagagactat tacgaagcgt gcccaactcc 60

atctgcttcc ttttcctctt ccccccgtcc ccgacgaccc ccggccgaaa ccctagcgag 120

gcgcgatgtt cg 132

<210> 10040
<211> 224
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189087a08b1

<400> 10040

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aggaaaagtg atcatcatag acatagtgct tggatcttct ttagagacaa taactgatac 120

cgaactgctg atggacatgc tgatgttcat atgtaccaga ggacggcaac gggatgaaaa 180

ggagtggagc acgatcttta ctaaagcagg gtttagcaac tata 224

<210> 10041
<211> 193
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189087a09b1

<400> 10041

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ctgcgtagga gaagggagga gaagagagaa cctattcttc ccccactccc actcctcgcc 120

tcacttggag agtcgatcga tcgatccgcg ggcacaatgt tccaagggtg cggcctgttc 180

gcgtgcgtga gcc 193

<210> 10042
<211> 229
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189087a10b1

<400> 10042

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aagcatcaag aaagaggcct gctggactgt ttcaaatatc actgctggta acaaagatca 120

gatacaggct gtgattactg ctgggattat tggacctctg gtgcatctgc tgcaaacggc 180

tgaattcgat atcaagaagg aggctgcttg ggccatcttg aatgctacc 229

<210> 10043
<211> 367
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189087a11b1

<400> 10043

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atggcaaaac gcccttctgc tctggctggc tccaggcaga tcgtagccag agcacaaggc 120

aagaagattg cggccttctt ggactacgat ggcaccctgt ctgctatcgt cgactaccct 180

gaaaaagccg gcatgtcccc tgtgatgaga gctgccgtga gaaacgtcgc caagcactta 240

cctgctgcca tcgtaagcgg aaggtcctgg aagaagggtc ttgaattcgc aaaactgaag 300

gaactctgct atgctggcag tcatgggatg gacataatga catcttcttt agcacattta 360

tgaacgc 367

<210> 10044
<211> 145
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189087b02b1

<400> 10044

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tcagtgcccg atccagccca acggctccta cacgtaccgg ttcaacgtga cggggcacga 120

gggcacactg tggtggcacg cgcac 145

<210> 10045
<211> 306
<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189087b04b1

<400> 10045

tcttgacaat gaacttactg acctgagttc ggagtatttt gtcctgggaa aagactctac 60

aacggcaagg agggagcaga ggccgcttac gaagctgtcg tgcaaaagct gagaagatgg 120

gttcaacatc ctgccctggt actaaatcag atcatagaca caaagctggc aactcgaatg 180

aagccggtat agaagctcct atgcccaaca agttctacat agtgccccaa gcaggggcga 240

cgaagctaac tgtgcaacag gaggagaaag ttaaggagaa ggtccgggcg attggatctg 300

aattcc 306

<210> 10046
<211> 356
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189087b06b1

<400> 10046

tctttgacac aaaagtgaac taagaaggcc ttgagagctt gggcaacgca gacatgtcgg 60

ccgctgtcac tgcaactgta tcggcggtct gtgcgaccgt ggcagtagtg ataaccatcg 120

tgatgatcag aggatgccgc cgttggaggt ggaaagttta caagaagttc atggccaaga 180

tctccgacga ggtcaacaga aggaaccgag agctggaagc atgcgctgcc gtgaacgatg 240

tggtgatcga gatcggcccc gtggagaagt tcctccacga gatcctcatc gagaagccga 300

tgaggttcag ctcggagcag ctggcgtcgt gcaccgggga ctactccacc gagctc 356

<210> 10047
<211> 52
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189087b07b1

<400> 10047

tgccggacca ccccgaccac gacgacgcgc cacagtagtt gggagactct tc 52

<210> 10048

<211> 174
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189087b08b1

<400> 10048

ttcttcgaca gacctcacgt agagtgaccc aacaggtgat tcatagactg agcacctaga 60

agacctcgca acgatgaggt ctctcggccg cacttcgttg tgctttcacc tggtcctgct 120

tttcctcctt gccgtggtca gggcagatga tcctagcctc gccgatggag ggag 174

<210> 10049
<211> 392
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189087b09b1

<400> 10049

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gtgcatcgcc cattcatcag gaaagcaatc aacaacatct tctacagatt tatatttgaa 120

acggaaaagc ataacggtat tgcagagctg ctggagatct tgggcagtat aattaatggt 180

tttgccctgc cacttaaaga agagcacaaa ttgttccttc tccgtgcact gatcccactt 240

cacaagccaa agtgtgtagc aatgtaccat cagcagctat cgcattgcat tacacagttt 300

gttgagaagg actgcaaact tgctgacact gttattaggg gcttgctcaa gttttggcct 360

ataaccaaca gttcaaagga ggtgatgttc tt 392

<210> 10050
<211> 269
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189087b10b1

<400> 10050

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tacccacccc tccccccgcgc cgtgagccct tccctcctct tcgtcgccac tgctgtctct 180

cctcttcctc cccgctctag cccctacagg tcgtcgctcg cggtggttcc agatcctgcg 240

ctggtcgtcc ccatgggtga ggaggggag 269

<210> 10051
<211> 154
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189087b11b1

<400> 10051

ttcgtccgtg acgctcctgg acccggagat ggatcagctg atccacgacg ccgtcgctgc 60

tcacgaccac atggggatcg gccccgtgct ccggcagtgc cgtgagctct tcgaggggct 120

tgagtctctc actgactgcg gcggcggtga tggg 154

<210> 10052
<211> 155
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189087c02b1

<400> 10052

cctggtactt ggggttgggc ttgagtactg gcgcgttttc tacttcctct cccaccaccc 60

cgagagcctc cacaccttct tcttcctctt cgacgacgtc ggcatcccca ccgactaccg 120

acatatggac ggcttcggcg tcaacaccta cacct 155

<210> 10053
<211> 255
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189087c04b1

<400> 10053

gctgctcacg cgtccgaaag acatgtatga gagggttgac taatactgga aagattgcaa 60

ccttgtgtta gctgttgctg ttgtgatgga tccacgtttt aagatgaagc ttgttgagtt 120

cagttactca aagatttacg gcgttgaggc tgcaaagttt gttaaggtgg taaatgattc 180

ggtgcatgac ctttttaagg attatgtggt acagtcgctc cccttaacac cggcctatgc 240

tgtacaaggg aaaac 255

<210> 10054
<211> 205
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189087c05b1

<400> 10054

tcctgccgat atgaatagag cttgatcaag aaggggtcat ttgcatcact gaattgattt 60

ttccatcttc caacgcgttt gattttgctt gacctcgtcg ttgacgaata tttattgatg 120

caagtcattg ctcagctttt tatgcgtctc accaagggtt atttcatcta catcttttca 180

tcaatattgt tgaaataccg cgtgg 205

<210> 10055
<211> 404
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189087c06b1

<400> 10055

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gccggcatca ggtgatgaag acaatgtggt tcaggaaaag agagaagaag gtgatgtttc 120

tgtagagaat tcaggccaac caccatttca atcaaaaatt tggaatgaaa aagaagagga 180

tgacaaaagt acagaggaaa acaagtctac caaggagacg cattcgcgag gttcctattt 240

tcccgaatcg agtgtgccag catcaggtga tgaagacaaa aagggagaag atcaattctc 300

tgtacacaat ttaggccaac attcactttt atcggacatc ggagataaga aagagcatgg 360

cataacaatg gagaaaaaga agtctgccga ggacatgcca ccag 404

<210> 10056
<211> 292
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189087c08b1

<400> 10056

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caccaagctg ggtgcccgcc tcactgaagt ccgcaagaat ggcacttgtg cctggctaag 120

gcctgatggc aaaacccagg tcacggttga atacctcaac gagggaggtg ccatggttcc 180

tgtacgtgtg cacactgttc tgatctccac ccagcatgat gagactgtca ccaatgattg 240

agattgctgc ggacctcaag gagcatgtca tcaagccggt gatccctgag aa 292

<210> 10057
<211> 352
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189087c09b1

<400> 10057

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cggtcgatcc ccgccgcagc caccgacgcc gcctccgtca actcgcacgg ggaacctcgc 120

catggccgcc gcgtcgtccg ccacctccgt ccacgacttc accgtcaagg atgcaagcgg 180

caaggacgtc gacctcagcg tctacaaggg gaaggttctt ctcattgtta acgtcgcatc 240

ccagtgtggc ttgaccaact tcaactacac cgagctgagc cagctgtacc cgaagtacaa 300

ggaccaaggc tttgagatct tggctttccc atgcaatcag cttggtgggc ag 352

<210> 10058
<211> 292
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189087c11b1

<400> 10058

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gctacgatga ggacgccgcc ggagatgccg ttgggtctcc ccttcaccgt cgacacatgg 120

ggcccatccc gccgccaccg gtgccaccgc ttcatcaccc acgcgcacac ggaccacatt 180

gtcggtgcct gggccggtcc cggcgacacc gtctacgcca cgcagctcac catgcgcctc 240

gccctcgaac gctatcccca gctggagcgg gttaagtttg tggaaatgga gg 292

<210> 10059

<211> 172
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189087c12b1

<400> 10059

gaagaaaact gcggttcata aaacgccaat tatggatatg gatccatctt gctgcgctgg 60

atgaagggct ggatatggat ccatcttgct gatttggaag aaaactgcag ttcatacaat 120

gctaattatg gatatggatc catctaatac agttcttcac aaagcccagg aa 172

<210> 10060
<211> 339
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189087d02b1

<400> 10060

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tcatagagat tgtacatgct tactggaaca ctaagctaca aacaacactg gttcacgcat 120

tggagccata ttccaaacaa gtaaagagat gcatagaaat agctttaaat tgtgtggatg 180

cagatcgaca caaaagacca agtatagggg aaatcattaa tgttttgaat gagatggaga 240

ctgcaataca agtccctggc gcttcaatga atcacacagg gtcatcgatg aacaagataa 300

atagcgacca ggaaagagag ttcctaatta gggatgcac 339

<210> 10061
<211> 243
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189087d04b1

<400> 10061

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ctcggatgcc atggccgcct ggcgaaccgt gcccctggac aagctattct gtttgccgca 120

taatctagca gaagtctatc cgttctatcg caacttattt taccgtgtgg aacttagatt 180

ccaagtgcct gtggtgctat gctattttgt ctgaatgttg tgtcgaacct tgctatggaa 240

gat 243

<210> 10062
<211> 359
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189087d06b1

<400> 10062

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tgctgggtgc tgttcatggc atcgcggagg ctctgtttag gagatacaca gagcaaggaa 180

tggacgagga gctggcatac aaaagcactg tggagggcat cactggaatt atctccaaga 240

ccatctcaaa gaaggggatg cttgaagtat acaactcctt gagcgaggaa ggcaaaaagg 300

agttcaacaa ggcatacagt gcatcatttt acccttgcat ggacatactc tacgaatgc 359

<210> 10063
<211> 249
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189087d07b1

<400> 10063

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cagatgaacc tgttgctgag aaacccacag atgagaaggc tgcacacggc ggctcaaatg 180

acagagacct cgttcttgca agggtggaaa gtgagaagag gaactcttta attaaagcat 240

gggaggaga 249

<210> 10064
<211> 361
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189087d09b1

<400> 10064

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ctcagcgact gcaccgacaa gatcatcgtc gagtacctct gggttggagg atccggtatc 180

gacatcagga gcaaagcaag gacggtgaac ggccccatca ccgacgcgag ccagctgtcc 240

aagtggaact acgacggttc cagcaccggc caggctcccg gagaggacag cgaagtcatc 300

ctctaccccc aggccatttt caaggacccg ttcaggaggg gtgacaacct ccttgttatg 360

t 361

<210> 10065
<211> 376
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189087d11b1

<400> 10065

ttcttttgcc ttcaaggtca aggggctgtg gctcttccgt gggcaggaca tccctgtgtt 60

tgtcatgaac gaggtctacg acatggagct ctacgagtgg accaaggttg acctctctga 120

cgaggcccag aagaagcgtg tcgaagccat gatcgaggac cttgagccgt ttgaggggca 180

ggccttgctg gacgccaagt gcttcaagta agcggatcag tgctttggat cgtgatggcg 240

gtgacaaatg aacctatcta ggactcaaat tcagtgtcga aacagttgtc ttttttggaa 300

gagtttgctt gttacttaat ggctatttga cctggtgaac ttgttaattt ttgtgccatg 360

cttagagttc ttgggt 376

<210> 10066
<211> 178
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189087d12b1

<400> 10066

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tttccgtgcc atggatgggc tcccggtgac tatccggctg ttggaccctc cacttcatga 120

gttccttcca gaagggcatg tggaggatat tgtgcgtgag ctatgtgctg aaagtgga 178

<210> 10067
<211> 249
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189087e04b1

<400> 10067

gctgctcacg cgtccgcgcg ctgctcatcg ggcgcggttc attacctcta cctgaccaat 60

gaagaggcaa aagaagtcga cgtggatgta cctggcggtg ccgatggtga tgtacgcgtg 120

cgagcggctg acgcgggcgc tgtgggcgag cgtgcggacg gtgaagatac tcaaggtggc 180

ggtgtgcccc ggcaacatgc tgtagctgca cttttacaag ccggaagggt tccggagcaa 240

gagcgggca 249

<210> 10068
<211> 299
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189087e05b1

<400> 10068

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gggcgccgtc tccaccggca tcaggctggt gcacatgcac gcgctgctcg gagtaactag 120

gtcaccggcg caactcctca cacctaggtc gttcaacatt ttcttccgct tttggtgcgt 180

cacatttaga gtctttcttt ctcattgaac cgtgtttgca tggttagatg tttggttgga 240

tttgaaggtt cgctaccttg gctccaaagg cttaagctct tatagaaatt agaaccgat 299

<210> 10069
<211> 395
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsrow189087e06b1

<400> 10069

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cacagtatca aagagcaatt gctaaggctt tggttgataa ggtctcacag gatgaagttt 120

ccacaactag gacggtcttg atggttgttg gagcaggccg agggcctctt gtaagagcat 180

cattgcaagc tgcagaagaa actggtcgga agctaaaagt atatgcagtg gagaaaaatc 240

ctaacgcagt tattactctt catagtttga tcaaattgga agggtgggaa agcatggtta 300

ctattatttc tagtgacatg cggtgctggg atgctcctga aaaagctgat attttggtca 360

gcgagttgct tgggtccttt ggtgataatg agtta 395

<210> 10070
<211> 315
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189087e07b1

<400> 10070

cccacgcgtc cgcaagtctc agtttcaata tctaataatc tccctgctcc ttccgtcgcg 60

tcgatcgcca tgtcctcctt cacggggagc ttggaccacg cagggttcac gttcacgccg 120

ccgcccttca tcacgtcctt caccgagctt ctgtcagggt ccggcgccgg cgacgcggag 180

cggtcgccaa gggggttcaa ccgaggggcc cgggccgggg cgcccaagtt caagttcgcg 240

cagccgccca gcctgcccat ctcgtcgccc ttctcctgct tctccatccc tgcgggcctt 300

agccctgctg agctg 315

<210> 10071
<211> 261
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189087e08b1

<400> 10071

cccacgcgtc cgcccacgcg ttcgcccacg cgttcgaagc cctccgccat ggctcccacg 60

gcgccttcgc cggcgaagtc cgccttcccg ttccaaccat ccggcaagag cgaggtgtcg 120

gatctgaagc agcagctgcg gcagctggcg gggagccgtg cgccagacgc tgatgatcag 180

cgccgggatg tcttcaagcg ggtgatctct tgcatgaccg caggtatcga cgtgtcggcg 240

gcgttcgggg agatggtgct c 261

<210> 10072
<211> 121
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189087e10b1

<400> 10072

ccacgcgtcc gccacgcgtc cgcggacgcg tggtctcccc cgcccgccgt cgccgccgcc 60

gcagagccgc agggagagaa ggcaaggagg aaggaagggg aagacgccgg cggggcacgg 120

g 121

<210> 10073
<211> 380
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189087e12b1

<400> 10073

ccacgcgttc gatgcactcc actgggggga gttctatctt tgaaacttct ttatgctttg 60

taaagcagta cattgtgtta ttgttagtta cttttgggta gttcgaaata ttgcacattt 120

gaatgaaata agacattgtg catgcctaat aacataaggt acatgagctg tcttaactcc 180

agtttatgca aaaggaaaaa taattagtgc attgcagaaa tatcacattg ccagcgctaa 240

atggctgaat gtcgataaga actgcctagt tcgacgtttc accacatgag agttgcacaa 300

ataaattata ttattctacc taccccttt gagttcttga atgtttcaat gttgaaacat 360

ctgagcacta ctttttttat 380

<210> 10074
<211> 207
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189087f05b1

<400> 10074

agcatttggg atgcttttca gtttactggt gcctcagttg ccgttttgat tggttttatc 60

tttcctgcca tggtcatatt aagggatcct tatggtatcg catccaagcg tgacaagata 120

ttggctgtat ccatgatcgt gcttgctgtt gtctcaaact ttgttgccct atacagtgat 180

gcgatgaaca tcttccgtag gaaagag 207

<210> 10075
<211> 176
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189087f06b1

<400> 10075

cctgcccacg cgtccgattg attaccattg tgggaagtgt taaggaatct gctcaaatcc 60

ctacagaatc aagtcaggag cttgctatgc tgcaggttaa aacagtatac ctcgaacatg 120

ttcctctttc ttgggataag ggcaaagtta aagaatgttg caaagcatat ggggtg 176

<210> 10076
<211> 144
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189087f07b1

<400> 10076

atctcacact ccaccgagct ctcagtcaca agttacaatg gctactagca ctaagcttgt 60

agctcttggc tttgttagcc tcgtgagcat tgggttcacc aatgctttaa ggatgctggc 120

tagctcaagt gctggaggtg gagg 144

<210> 10077
<211> 321
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189087f08b1

<400> 10077

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gaaatgtcgg cgacgtgcgc ggcggacctg gcgccgctgc tgggcgcggc ggcgatgaac 120

gccacggact acctgtgcaa caggttcgcc gacaccacgt cggcggtgga ctcgacctac 180

ctgctcttct cggcctacct cgtcttcgcc atgcagctcg gcttcgccat gctctgcgcc 240

ggctccgtcc gggccaagaa caccatgaac atcatgctca caaacgtgct cgacgccgcc 300

gccggcgcgc tcttctacta c 321

<210> 10078
<211> 343
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189087f09b1

<400> 10078

tcgagctcct cctactcctc tgttttggct gctcgcgcgc ggggacggag gcatcgcaga 60

ttcctcggtt gccgctgcgg tccaagaacc gggattcggc ccttggttcc actccccaag 120

gtgcatttgt gtggaccaag atgacaatat aataattgcc tagcagaagc cacccaacct 180

gtaaattcag tcttctctgc ttccagcaaa atgtcagtcc ggcgacggtc ggagagcatg 240

gagggtctgt tcttattcga tgagcgaaat gaccggaggt cggacgtgga gaactcatag 300

gatgagagga gaaggctgtc cattggcggg tcactcaaga aga 343

<210> 10079
<211> 85
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189087f11b1

<400> 10079

tcgctgacga taatctcctc cccccacgtt gctcccgcga ggttaccggg gggcaaccct 60

aaatcccgcc ggtctccgtc ccctc 85

<210> 10080
<211> 213
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189087g01b1

<400> 10080

tcttcacgcg tccgctacta gctagccatg gcggggtttt atgagtagtc ttgcaatgtt 60

tgcactggcc atagtcatgg ccgcggtggc tgacgtctcg tcgcagaaca ccccgcagga 120

tcttgtcaac ctgcacaacc gcgcccgcgc cgtggacgga gtctgccccg tggcatggga 180

caacatcgtg gccaggtttg cgcaggactg ggc 213

<210> 10081
<211> 107
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189087g03b1

<400> 10081

ttcttacgcg tccgggcgcg tggtcctggt acagggtgtt caccgccctg gaggccgtct 60

gccaccgtgt aaccgcgccg gacatggacg ggtgcggcga ggaggtg 107

<210> 10082
<211> 287
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189087g04b1

<400> 10082

cttgccaacc cgtttgttca accatgtcca gagtgctgag cagcacaacc tgtacgtgaa 60

ctctctgggc cttgtctcgg ccaggaagac cgccgaggcc gtggacatcc tcaagctcat 120

gtcctccaca tacatggtgg cgctgtgcca ggccatcgac cttcgccacc tggaggagaa 180

catcaagacc tccgtgaaga actgcgtgac gcaggtgtcg aagaaggtgc tgaccatgaa 240

ccccaccggc gacctttttca gcgcgcgctt tagcgagaag agcctca 287

<210> 10083
<211> 133
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189087g05b1

<400> 10083

tggtgccacg gcgccgtcgt ggaggagata cacggtctta tccgcgtgta caaggacggg 60

cacgtggagc gcctcccggc gatccccgac gtgccctgca cgtggggctc gacggccgac 120

gggagcggcg ttc 133

<210> 10084
<211> 415
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189087g06b1

<400> 10084

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cgccggcgat gggcaacacc ggaccagcag gactatggcc ttcctctccc tcctcccctc 120

tgtttttcct cgtgctcccc ggctctctct cacgatctcc ctctctctct gtttttcatc 180

agctgcaggt cgctgtcgcc ttggtcaacc ctcgccggag ctccgtcgac gccccgttgg 240

ccggatccgg cccggaaaca agcagatccc ttcatcctcg gtgagctcca cctcccgttc 300

ccgtcgctcc gccgtgcgcc aagttcccta tcgtcgtgcc ctgcttctac atcctcccgc 360

ttgtctctgt gcgcgctaaa aatgaatgag ccgccgcctg cgttgacccg ctgct 415

<210> 10085
<211> 330
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189087g07b1

<400> 10085

cccacgcgtc cgcccacgcg tccgaacggt cttgtgacct accctggtgt caagcgcatc 60

accatcaagc cccagactga ccgttgggtc ttccccgaga ccaagactgg catcattgtt 120

cttgctgagg gtcgtctgat gaaccttgga tgtgccactg gccaccccag cttcgtcatg 180

tcctgctcat tcaccaacca ggttattgct cagcttgagt tgtggaacga gaaggccact 240

ggccagtacg agaagaaggt gtacgttttc cccaagcacc tcgacgagaa ggtcgcggcc 300

ctccacttgg gcaagctcgg cgccaggctg 330

<210> 10086
<211> 304
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189087g08b1

<400> 10086

acggccggtt tgttgttgta tgcggagatg gttaatacat aatctatact gcactggctt 60

ggaggaacag atcatttgga tccgtgttag agttcgcttg gtcatcagaa ggagagtacg 120

caatcagaga aagtacatcc agaataaaga ttttcaataa atcatcccag gagaagaaaa 180

ctatccgtcc tacattctct gcagagcgta tctttggtgg ggtacttttg gcaatgtgtt 240

ccggtgactt tatttgcttt tatgactggg ctgattgtag actacatcgc agaattgatg 300

tgac 304

<210> 10087
<211> 103
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189087g10b1

<400> 10087

ttttcgcgga cgcgtgggcg cgcacttcta gacgtgggtg tcatggctgc catggcggtt 60

ccggcggaga ggaagatgaa ggtgtgggag ctggtgctgc ggt 103

<210> 10088
<211> 321
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189087h02b1

<400> 10088

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agcctcctta tttcaaggat atgacaatga cccctcctgg cgcacggcct gtgaaggatg 180

cgtattgtct tcttaacttc ggtgacagta tcacaactga tcacatatcc ccagctggaa 240

gcatccaccc agacagccca gctgccaaat atctaaagga gcgcaatgtt gaaaggaagg 300

acttcaactc atatggcagt c 321

<210> 10089
<211> 340
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189087h03b1

<400> 10089

gcctcctcac gcgtccgaaa tctcaccgtc tgcggggcct cctccctccc ctcaccccca 60

gatcgcacca accgccgtcg atggccgccg ccgccccgcc gctcgccgcg gcgctcctgg 120

ccgtcctgct ggcgctcgcg gccccggcgg cggccgagat ccgctccacg gcgatccggg 180

ccgacccgcg caccatcatc ccgctcgacg agttcggctt ctccaaccag ggcgtgctgg 240

agctcaacgt caccggcatc gccttcgacc cgccggcctc cccggacctc gacctctccc 300

agttcggctt cttcctttcc acgctcgacg cctgggtgca 340

<210> 10090
<211> 258
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189087h05b1

<400> 10090

tgcaccgcgc cattctcgaa ccttccaagg ggcgttcggt ctcccctcgc ttccaccgag 60

tccctccgat ggcccgcacc aagcagacgg cgcgcaagtc caccggcggg aaggcgccgc 120

ggaagcagct ggcgacgaag gcagcgcgca agtcggcgcc ggccaccggc ggcgtgaaga 180

agccgcacag gttccgtccg ggaaccgtcg ccctgcgcga gatccgcatg ttccagaaga 240

gcacggagct gctgatca 258

<210> 10091
<211> 294
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189087h06b1

<400> 10091

tgccgaagca caccgcgact gcgccactgg gggcgttttt agtgactgag gccatggcgc 60

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gtcctctccg cttcgccgcc ccccgatctc ttccgaggat ttgttgccaa tctatcaact 180

cagctaacgt gctgggagct tcctcaatga cagctgacga cgcatttcca cagccagttg 240

tactgattga ccaagactca gaccgtgatg catccattgt gctactgagt tttg 294

<210> 10092
<211> 248
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189087h07b1

<400> 10092

tttgttctgg aaaatcgcga gagatatttc ggggggggact ctttcgtcct gtcgacttat 60

aacagcagag aaaagtgagg tgatcatgag caccatggcg atgtcggcgc tgaacccgga 120

cgcgcccatg ttcatcccgg cggcgttcaa gaaggtggag gactactcgc ccgagtggtg 180

ggagctggtc aaaaccaccg cctggttccg cgaccactgg ttccgccagc accagctcta 240

cgaggacc 248

<210> 10093
<211> 331
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189087h09b1

<400> 10093

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ttcgaggcct tcattcggca gcacatcgtc gtcgccgagg ccgtggccca gcggggcagg 180

cccgggcatg gaaacgacga cggcgggttc ggcggtgatc ctggcgccag agcggacgtg 240

ttctcccccg gcggtggcct gccgggcctt tgcttcggcg actcgaacgc cctggagctg 300

gaagggagca acgccggcca cctgtggtgg t 331

<210> 10094
<211> 208
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189087h12b1

<400> 10094

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tcgccaagcc cttccttgat gtctgcaa 208

<210> 10095
<211> 259
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189089a02b1

<400> 10095

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aaaaaagagt gcccgtcgaa aatgccggtg agcaggatcg ccatcggcgc cccgggggag 120

ctgtcccacc cggacacctt ccgcgccggc gtcgccgagt tcatctccat gctcatcttc 180

gtcttcgccg gctcaggctc cggcatggcc ttcggcaagc tgactgacgg cggcgcgacg 240

actccggcgg ggctgatcg 259

<210> 10096
<211> 297
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189089a03b1

<400> 10096

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gcaggccggg gaggcgccgc gaggggcgc cgcggagggg gccggcgaga gcgggaggac 180

cgcccccgac cggagggccc ggcgcaaggc cccgggcagc gcggcggcgg acgagccgga 240

ctcggcgccc accagcagca gcagcacggc ggagcacacc cgagggaaga gccccag 297

<210> 10097
<211> 314
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189089a11b1

<400> 10097

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acagcggcca ctacctccca acagaggaga acttcaggga gttcatcagt ttcttggagg 120

agaacaatgt ggatctagct aacgtcaaga ggtgttccgt ggacgacgac gagtacccat 180

cgttcaagaa gacctcagac gagcctactg aaatggaaga acatgacgag aagcccaccg 240

aggcgcaaca tgatgggacc ctcaacagct cgcaaattga actgcctgag atggacatca 300

tcaaggaaat ggtt 314

<210> 10098
<211> 425
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189089b01b1

<400> 10098

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ctgcgtctgc gatcacccag caggagactc cagcttctcc ggctgcggat ccagaagatg 180

atctgcctct gcctcctccc cctgcactga cccagcatga ggaggatgga acgccagacg 240

atgatctgcc tgtgcctcct cctgctgcac tgccccagca ggaggctgga gcgccaggtt 300

cagcgccaga ggcaggagcc gtcgatgaca agtgggcagg aggtggcgat gacaagtggg 360

cgggaggccc cgatgacaag tgggtctagt ggttgcttaa ggcgtggaac tgaactgaac 420

tgaac 425

<210> 10099
<211> 223
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189089b02b1

<400> 10099

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atctgcctct gcccactcca cctccactga cccagcatga gga 223

<210> 10100
<211> 450
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189089b05b1

<400> 10100

cctgcctcta gccatgggcc aacagacctg agatctcgct ctcgcctcct tgcgcagtcc 60

ccaccgagag cagcacgaaa atggcggcga gcaacctcga gggtgtgctc ctggggatgg 120

gcaaccccct gctcgacatc tacgcctgcg gcgacgaggc cttgctcgct cagtatgatg 180

tgaagcccaa caatgccatt cttgccgagg acaagcactt gcccatgtac gatgagttgt 240

ccagcaagga caatgctgaa tatatcgctg gaggagccac gcagaactct atcagggatg 300

cccaatggat gctgcaaact gctggtgcaa caagttacat gggctgcatt ggaaaggaca 360

agtatgtcga ggagacgaag agcgccgcta aagctgcagg agttactgct cattactatg 420

aggatgaggc tgctcctaca ggcacatgtg 450

<210> 10101
<211> 224
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189089b07b1

<400> 10101

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agagaggggc ccagacggca aaaccaacga agccgaagcg gcccagggca cagaaacccg 120

ccacgaccgg gaacaccaga aaggaggcga aaccagcaca aacagcagga gccacaagac 180

ggggagagga caagaggacg cgcacacagg gcaaagcgag acga 224

<210> 10102
<211> 374

<212> DNA
<213> Triticum aeştivum

<223> Clone ID: uC-tsrow189089c01b1

<400> 10102

tgttcgtgcc tccccggaga tcacgagagg cggcgccccc atcctcgcga tggacgccta 60

ctaccgccgc tcaggtgcgg gcggtggcgg cggctcagcc ccccgcaccg acgaggacat 120

ctgcaaggac taccgcgccc gccgcaacgc catccaccgc gccctcaccc acgacgtcga 180

ggagtgctac gcgcagtgcg atccagagaa ggagaacctg tgcctgtacg ggtacgctaa 240

cgaggcgtgg gaggtggcgc tgcccgcgga ggaggtgccc accgagctgc cggagccagc 300

gctcgggatc aactatgcgc gcgacgggat gaagcgcagc gactggctcg cgctcgtcga 360

cgtgcactcc gatt 374

<210> 10103
<211> 450
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsrow189089c02b1

<400> 10103

cctcagtccg tcctcgcaag agggcctcct cttctcggac tgcctcaagg acttgaggaa 60

tctgcggtcg cagctatact cagcggcaga atattttgaa gtattctaca caaacaactc 120

gcacagatct acggtggtaa cgagtttaaa agactacgca gttgaggcac tcgttagtac 180

tgttgaccat ctgggttttg tgtcgtacaa ggtggataat ctcgtcaatg aaaaggctga 240

cgaggttaat gaaacagaat ttcgagtatc gtcggttgaa cagagggtaa agatttgcca 300

gcaggcaatt gaccaggagg gaagatctca acagtctctt cttatcaggg cgccgcagta 360

ccacaggcgt tacatattac caggcgcaga tatagtggaa tctgctatcc atccngtttc 420

agagcccaca cggtacagca ggcaacatac 450

<210> 10104
<211> 483
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189089c04b1

<400> 10104

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agcagattga tgagctttgc tcattttatg cttggtgtaa ggacaccggg gtagcgagat 120

catcggagta cccagaggtg cagcgggtca ctgataagtt actggagaca ttggaggagt 180

ttatgaggga ccgggcaaag cgccccaaga gtccaccacg ggagcctgag cctgagccgg 240

tcaaggagga agagccagag ccggacatga acagcatcaa ggcacttact gcaccagagg 300

actacaagga gcctgaacct gagaaggtgg aggaagaggt gaagccagag cccccgccgc 360

agccccaggg tgatctggtg gatcttagag aagacactgt gagtgcagat gagcaaggca 420

ataggcttgc tctggccctg ttccaagggc cacctgctgc tggtggtagc aatgggtcat 480

ggg 483

<210> 10105
<211> 397
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189089c05b1

<400> 10105

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agacggagac atggggctga aggggttcgt cgagggcggc gccgcctccg tcgtcgccgg 120

ctgctcgacg cacccgctcg acctcatcaa ggtccgcatg cagctacagg gcgaggcggc 180

ccgggccccc gccccagcca tgcgcttcgc gctcgtgttc ccccccggcg tgcagcatca 240

ccaccacaac gaccacctgc tgcagccgcc gcgcaggccc gggcccatcg ccatcggcgc 300

gcagatcttg cgggcggagg gccccgcagg gctgctctcc ggggtgtcgg ccaccgtgct 360

gcggcaggcg gtctactcct cgacgtccat ggggctc 397

<210> 10106
<211> 135
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsrow189089c07b1

<400> 10106

cagaagccac acaagggagc gcaacggaca acaagcaagg agaaggcggc aacgggccag 60

acaacaaggg aaagcaagag gaaggacagg aaanagccng aaagacacaa acgcaggcag 120

cgacacaggg acccg 135

<210> 10107
<211> 396
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189089c08b1

<400> 10107

tgcagaaacc acacaagggg acgcaacgga cttcaagcgg ggagaaggcg gctactggcc 60

agactacaag ggtaagcttg aggatggaca ggaaatagcc gttaagacac tttcgcaggc 120

atcgacacag ggtcccgatg agttcaagaa tgaggttatg ctgatagcga aactccagca 180

tcggaatctt gttcgactga tcggctgctg catctgtgga caagaaaaaa tactcatata 240

tgaatacatg gcaaacaaga gcctggactt cttcctgttc gacaaatcca agattatgct 300

tctggactgg caaacccggt accgcataat cgaggggatc gcccgaggat tactgtatct 360

tcaccaggac tcgagataca gaatcgttca cagaga 396

<210> 10108
<211> 476
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189089c09b1

<400> 10108

taccgcggaa ggcgacgaga cccatgtctc gacacttgtc atgggcaccc atggctacgc 60

cgcaccagag tacatgctaa ctggtcacct cacagcgaaa agcgatgttt acagctttgg 120

tgtcgttctt ctggagatcc tcactggaag acgagccgtg gacaagaccc ggcctagtag 180

ggagcaccat ctagtccagc acatgcggtc gtggctcaaa gaccctgaaa agctaggaaa 240

aatcatggac cctgcgttgg agggtaagta tgccaccacg gcagctcata aggcagccct 300

agtggcatac cagtgcctga gtggcagccc aaagagcagg ccggacatgt cgaaggtcgt 360

ggaagaccta gaactgctac tcaacctcgt ggatgatgtt cccggtgagc cggtgatgca 420

tgtagcttca caagatgaca ctaggaagga aagaacaaga agaagaaatg gagaga 476

<210> 10109
<211> 358
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189089c12b1

<400> 10109

cacgcggccg ccacaagaga gggaacgttt gttcaaggaa aggcccggag agacggcaat 60

gaggccgctc gacgtcctgg ctctggccga ggcgctggcc ggggtggcgc tgcgaggggg 120

cgccgcggag ggggccggcg agtgcgggag gacctccccc gaccggatgg ccctgcgcat 180

ggccccgtgc atctcggcgg cggacgagcc ggactcggcg ccctccagca gctgctgctc 240

ggcggtgcac accctaggga agagccccag ctgcctgtgc gccgacatgc tgtccggcac 300

cgccaagatg gccgggatca agcccgaggt ggccatcacc atccccaagc gctgcaac 358

<210> 10110
<211> 82
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189089d02b1

<400> 10110

tcttgacgcc tggggagggc tccagggagt gcccattgtt ggggagccct ccggtattgc 60

tggatgaacg gccaaaccag tg 82

<210> 10111
<211> 286
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189089d03b1

<400> 10111

cctgaacaca acgacccaac cgcaaccggg ccagagcgtt tacacacaac agagcggcag 60

cagagcccgg gccgaacccg ccccggccgg cgccatggac tgcgactgcg gggagaagct 120

cctcgtgggc ctcctcgcgg ccgtggtggg cgccatcgtc gtgtccaaga tccggggccg 180

caagctgcgg ctgccgccgg gcccccttccc ggtgcccatc ttcggcaact ggctgcaggt 240

cggcgacgac ctgaaccacc gcaacctggc ggcgatggcg cgcaag 286

<210> 10112
<211> 266
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189089d04b1

<400> 10112

ctcgtttaca acaacccaac cgcaaccggg ccagagctcc aacacacaac acagcggtag 60

cagttcccgg gccgctcccg ccccggccgg cgccatggac tgcgacttcg tggagaagct 120

cctcgtgggc ctcctcgcgg ccgtggtggg cgccatcgtc gtgtccaaga tccggggccg 180

caagctgcgg ctgccgccgg gcccccttacc ggtgcccatc ttcggcaact ggctgcaggt 240

cggcgacgac ctgaaccacc gcaacc 266

<210> 10113
<211> 452
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189089d05b1

<400> 10113

ttctcttcca aaatctgacc tcatgaagaa aaagaacaaa cctaagctta gcatgaaaga 60

gagtatgaaa gttctgatct cttcaaaata cgtgagggac cttgctacct tagtcgttgc 120

atatggcatt agtatcaatc ttgtggaagt gacatggaaa tcgaagctca aggcacagtt 180

ccccagtcca aacgagtact catctttcat gggtgatttc tctaccgcaa ctggaattgc 240

aactttcacg atgatgctgt taggccggat tatattccaa agatttggct ggggggtggc 300

tgccatgatc acccccacag ttttgttggt gactggcgtt ggtttcttct ctctgatttt 360

gtttgggcaa ccactgactc ccctgcttgc cacgtggggt atgacccctc ttcttgcggc 420

tgtttatgtg ggtgcgttgc agaacatatt ta 452

<210> 10114
<211> 94
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189089d06b1

<400> 10114

tcgtgaccta cgaacgaaac aggaaacaga gagcgctctc tgcgcgaacg acgccgagga 60

agaagaggaa gaagaagaag cagagaggag cacg 94

<210> 10115
<211> 341
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189089d07b1

<400> 10115

aaccagaaac accaggcgaa cacgggggaa cagaagcaga agcggacacc gcccaagacc 60

taacggaaga gacagagcaa gaagccggga tgaaaaagca aaccctggaa cccaaaactg 120

cagaaagaga accggaacaa gacagcggac ccaagcaaac tgttcaagtg gaagatgtaa 180

acgatgcatc aggtggacac accaaggtgg acagaaaaac tgcagaagag ataactatga 240

ctgaagtcgt gaatgaggga gctgtggaga cagaagctgt agcaccagag gaggaaactg 300

tagaagaaaa agctaccgca gggacacagg gggaagcacc a 341

<210> 10116
<211> 321
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189089d10b1

<400> 10116

ttttcgcggg gatgagggag agcatcgacg gggactttgt tggcggcgcg aggggcatct 60

acatgacgga ggcagtggcc gcggcgtcca acaacggcgg tggtgatgtt ttgcacgtga 120

tgaaggagag ctccgatgat gaccgacacg actactacgc gctgggaagg tatgacgcgg 180

cgatgaacac atggacgccg ctggactccg atgccgatgt cggcattggg ctgaggtacg 240

attggggaaa gttctacgcg tccaagacat tctacgatcc atcaaagaag cgacgcgtgc 300

tgtgggggtg ggtcggtgag a 321

<210> 10117
<211> 162
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsrow189089d12b1

<400> 10117

agacagcaag agcgggaaga ngaacccaga acagacggag cagggcagcg ccgccgccca 60

ggacgccgcc gaggacgacc acggcgaggc gccagagaac aaggcggggc agaacgagga 120

ggccgccggg cagaccggcg agggcagcag cagcggcgac aa 162

<210> 10118
<211> 414
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189089e01b1

<400> 10118

actgaacctc tccacctaca aagcaggagc tcagtctttg gtgctgggat cgctctgctc 60

gttcgacgac tttggaaatg gccaccaact cgaggtcgaa ctccagggcc accttctcca 120

gcgagatcca cgacatcggc acggtgcaga actccaccac gcccagcatg gtgtactaca 180

ccgagcggtc catcgccgac tacttccctc ctcacctcct caagaaggtg gtgtcggagg 240

tggtgtcgac gttcctgctg gtgttcgtga cgtgcggggc ggcggcgatc agcgcccacg 300

acgtcacgcg catatcgcag ctcggccagt cggtcgccgg cgggctcatc gtcgtcgtca 360

tgatctatgc cgtcgggcac atctgcagcg cgcacatgaa ccccgccgtc accc 414

<210> 10119
<211> 467
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsrow189089e02b1

<400> 10119

cctggcacct atggcgtatg ccgcatggta tggacactgg gctgagatgc tcatccttgc 60

cgtgccctcc ttggctggcc ctgctctcgt cccatgccat gttaccacgc tgtggatttg 120

gtttgctgca cgtttggttg agagcctcaa catacatagc ggatttaagt tgccattcaa 180

cgctgagaag tatataccgt tctatggagg ggcggagcac catgactacc atcactacat 240

aggaggacag agcaagagca acttcgctcc tgttttcacc tactgtgatt atatntatgg 300

aacggacaag ggctacagat atcacaaggc aactctggca aagctgaagg agttggcagg 360

cagcgacgtt cagaaaggag tcgacaatgg attcaacaat ggaaagcagg actagagaga 420

ggttggcttc agaggactca tggtcataca aatcctatca ctaattc 467

<210> 10120
<211> 392
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189089e03b1

<400> 10120

tcgtactccg ctcagcccta gacgaaggca gaaagtttaa actacaggat ctccaaggca 60

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aattaggatg ctagatgtgg tagaggaaac taacagatta catgatgaat atgatactat 180

gacccctaaa agaagttcat gtagaagata tcaaaactgg ggttctgaat ctccacccac 240

gtctccgcga gttggttatg gacagagttt gagtctccct gcaaggaggt cactagttgt 300

ctcctttgag gaatcccttt tgtctggccg actttcttat ggaaaagata atcagacaat 360

tgatggtttc ttagctgtcc tgaatattgt tg 392

<210> 10121
<211> 452
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsrow189089e05b1

<400> 10121

ctcgtagacg cngggggcag caaagcagaa cccgggctcg gtagagccca cggcctggcc 60

ttcccctctg aagttcatca gcgagctcga cccggaagcc aaggctctgc tggaagcggc 120

cctgatggag gccaacaggg agagggagaa gaagatcttg aaggacgcaa agtgctcgcc 180

gcagtcccct ttgcaatacg atgatgatca catcgacgac gacatgttct cggaggtgag 240

cgacacggag ctgtgctgca tctgcttcga ccaggcgtgc accatcgagg tgcaggactg 300

cgggcaccag atgtgcgcgc cctgcacgct ggcgctgtgc tgccacaaca agcccaaccc 360

ggcgaccctg accctgccct cgccggcgtg cccgttctgc cgcggcagca tctcgcggct 420

ggtggtggct cagacccaga cagcagacaa cg 452

<210> 10122
<211> 391
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189089e06b1

<400> 10122

cacgctggct actgggactg ggttgtgcac tccttcagga tcaccaactg cggggtgcag 60

gacaccaccc agatccacac ccacatgtgc tactccaact tcaacgacat catccagtcc 120

atcatcaaca tggacgctga tgtgatcacc attgagaact cgcggtctga cgagaagctt 180

ctctccgtct tccgcgaggg tgtggtgtac ggtgcaggca ttggcccggg tgtgtacgac 240

atgcactccc ccaggatccc gtccagagga gattgccgac cgtgtcaaca agatgctcgc 300

ggtgctcgac accaacatgc tgtgggtgaa ccctgactgc ggtctgaaga cccgcaagta 360

cgccgaggtc aagcctgcgc tcaccaacat g 391

<210> 10123
<211> 182
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189089e07b1

<400> 10123

caccaccaac aacaaaaaaa cacgcaggga cgatacgaac aacccagccg cccctcgccg 60

gcgacgagag ccaggccacg gaggccgact acggcgagcc gcgcgagcac ccggaggagc 120

agcagaaccg gacgcggtac cagcccgagc ggccccccag ccgacagggc acaacagaga 180

gg 182

<210> 10124
<211> 77
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189089e08b1

<400> 10124

cggagacacc ccaagaaaag cgaaaccgag aaaaaaaccg cgatccttag aaagccaatc 60

tggaaaaatg gaaaggg 77

<210> 10125
<211> 362
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189089e09b1

<400> 10125

taccgcccac acgtgcgccc acgcgtccga cacaattcaa cactagctag ctgcacagga 60

cacgagccga tccatccatc cagaaaaaaa gagtgcccgt cgaaaatgcc ggtgagcagg 120

atcgccatcg gcgccccggg ggagctgtcc cacccggaca ccttccgcgc cggcgtcgcc 180

gagttcatct ccatgctcat cttcgtcttc gccggctcag gctccggcat ggccttcggc 240

aagctgactg acggcggcgc gacgacgccg gcggggctga tcgcggaggc gctggcgcac 300

gcgttcgcgc tcttcgtggc cgtgtgcgtg ggcgccaaca tctctggcgg gcacgtgaac 360

cc 362

<210> 10126
<211> 210
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189089f01b1

<400> 10126

tcttccacgc gagcgaacca ggcaaccaag gcgcacccgg ccaccacggc aacggccagg 60

gagccggacg agccgcacgc cgcggagaag ggcgaggagg cgccgcagca gcggcggcgc 120

gccgacccgc gcgaggacca cagcccgacc gcggaccacg ccgccgacgc ccgggcggac 180

ccgaagcact accacccggc gcacgccggg 210

<210> 10127
<211> 369
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189089f02b1

<400> 10127

tcttcgaacg agtactacgg cgagccggcg gcgcgcttgt gcctgcggta cgtcgggtac 60

aagatcctgc cggaggagag ctccctggcc cgcgagtacc cggccggcca ccccgtgctg 120

acggaccccg ccggcgtagc gcagcgcggc tgggacgtga ccaagaaggt gtacctggac 180

cggcagaacg tgcggctcga cctggcgcgg ttccgggagg agctggtcgc cgcccaccgg 240

tacctcgtcg ccggcaagcg gaagggccgg ccgaaaacca aacctattgc gatgtgatcg 300

gtccatataa tcgtctgccg tagcaaacat gccgtatagc agtataccat agatcaaaat 360

ttacagaca 369

<210> 10128
<211> 387
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189089f03b1

<400> 10128

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cgcgggcgcg ggagctgcca aggagtgcga ccggcaaccg gcaaccggcg cggcttgctg 120

acgtctcggc gagggcgcgc ccagatctac taaagcaatc acatggcaac tctgaaagat 180

gcagtagcac ggaagcctat actggcaaca atccgcttgc tcgttccagc tggtgctgcc 240

cgccctgcac caccagttgg tccggcactg ggtttctata ggctcaatgt gatggcattc 300

tgcaaggatt tcaatgcaag gacccagaaa tataaggcag aaactcctat gcaggacacc 360

ctaaccgcct acaaagatag cactttc 387

<210> 10129

<211> 418
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189089f06b1

<400> 10129

ctcgtctacc tgaagggcta caatgctata agagaggtct atccagacat tcagatgatc 60

tcaaagtggg atggagcatc tggaccactt gaccatcctg ctgatctata tgatctccat 120

gtctataccg gatccagggc actattttgc atgaagaata cattggacaa tacctctcgt 180

agtgggccca aggcttctgt tagcgagtat gctgttacag gaaacgatgc cggcagagga 240

agacttcttg cttcattggc agaggccgct atccttactg ggctggagaa gaatagcgat 300

gttgctcata tggcaagcta tgcaccgctc ttcataaatg ataacgaccg cacgtggaac 360

ccagacgcta tcgtattcaa ctgctggcag caatatggga ctcccagtta ctggatgc 418

<210> 10130
<211> 198
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsrow189089f07b1

<400> 10130

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gagcgagcgc agggaccaac gcgcggccaa ggggcgaggc aacggacaag gggangccgg 120

cggagaggag gagggagagg gacgcggagg cggagcgcaa ccagccgccg ggcgagcgcg 180

agcaccccac cgacgacg 198

<210> 10131
<211> 197
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189089f09b1

<400> 10131

ttgttcgcag acgcgcgcac acgcagacga gccagattcc tacagcgcag cgcccctcct 60

cccacgcgcc gagcgcccgc cgcccgccga ccgccggaga ggacgccagg gcgccggagc 120

cggaggacga cagcacggcg gagaagaacc cgcgcccaca cgacgaagac gacagcggcc 180

accagaagac caacggg 197

<210> 10132
<211> 341
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsrow189089f11b1

<400> 10132

agaagaagaa gnnngngagc gatggcgttt tttacgccga gctgaacgag atgctgaccc 60

gggagcttgc cgaggacggc tactccggcg tggaggtacg cgtgacgccg atgcgcacgg 120

agatcatcat cagggccacg cggacgcaga acgtgcttgg tgagaagggc cgcaggatca 180

gggagctcac ctccgtcgtc cagaagcgct tcaacttccc ggagaacggc gttgaacttt 240

acgccgagaa ggtcgtcaac cgtggcctct gcgccatcgc ccaggccgag tcactccgct 300

acaagctcct cggtggcctt gccgtccgca gggcatgcta t 341

<210> 10133
<211> 421
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189089g01b1

<400> 10133

tcgtgagagc ggcggcgaag atggagacgc tgaagctgct taagcgcctg gcctctagcg 60

tcctcaagtg cggcaagggc aaggtctggc tcgaccccaa tgaggtcaac gagatctcca 120

tggccaactc ccggcagaac atccggaagc tggtgaagga tggtttcatc atcaggaagc 180

ctcagaagat ccactccagg tctcgtgcaa ggagggcaca tgaggccaag cagaagggcc 240

gtcactctgg atatggtaag cgtaggggta ccagggaggc taggctcccc accaagatcc 300

tgtggatgcg gaggatgcgc gtcctcaagc gccttctgcg caagtaccgt gaggccaaga 360

agatcgacaa gcacatgtac catgacatgt acctgaaggt caagggtaac atgttcaaga 420

a 421

<210> 10134
<211> 420
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189089g04b1

<400> 10134

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gatggcgccg ttgacaaggc agcgctccta cggcaacgtg ccacagccgc acgccgccgt 180

gtactacggt cagcgcgcca ccgccgccgg cctgctcatc gccgaggcca caggggtctc 240

ggacacggca cagggctaca ctgacacccc ggggatatgg accgctcttc ttctgccaga 300

tctggcatgt tggacgtgtg tccaccttcg agctgcagcc cggtggcgcc gccccgctgt 360

cgagcacgga gaaggggtc ggcccgcaga tgagcttcga tggccggcta gaggagttct 420

<210> 10135
<211> 175
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189089g06b1

<400> 10135

gccggcgcta gctctgcacc atcgccgcac gaatgctgcg ccccccgact tcagctcaag 60

ggttcgaccg agagccaccg gccggagcta cccgggtaga gattcctcgt ttcatctgga 120

ttactgggct agaagataga gccatgcagt gaatagtgcg tcagatcctt cacag 175

<210> 10136
<211> 94
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189089g08b1

<400> 10136

acacgcgggc ggaaacacag aaggaggaca ttgtgagagc agacacccca ccaccagcag 60

agaggaggga gaagcccgac gcgagagcgc ccac 94

<210> 10137
<211> 258
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189089g09b1

<400> 10137

cgaaacccct ctccaatctg agatctgctt acgtgcgcga cccggagcct aaaccctaga 60

gtagagcagg ggcggcggcc atggccatca tctcggacat ccaggaggag gaggcgccgt 120

cgcagcagcc gcaagcggcc ccggccccgg cggcggtcga cgtggacctg gaggtcctcg 180

aggcggtgct cgagcgcaag ggcggcgcgc tcccgttcct ccacgcggcc atcgacgtcg 240

cgcaccggcg ctccgacc 258

<210> 10138
<211> 365
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189089g10b1

<400> 10138

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ccctagagta gagcaggggc ggcggccatg gccatcatct cggacatcca ggaggaggag 120

gcgccgccgc agcagccgca agcggccccg gccccggcgg cggtcgacgt ggacctggag 180

gtcctcgagg cggtgctcga gcgcaagggc ggcgcgctcc cgttcctcca cgcggccatc 240

gacgtcgcgc accggcgctc cgacctgttg cgcgaccccc gcgcggacgg caagatcacc 300

gcgatggcct cggcgtgcag ggcgcatgtg gaggcggagg agaggaaggc cagggatgcc 360

aagag 365

<210> 10139
<211> 274
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189089g11b1

<400> 10139

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acacgctgaa gacaggggat gtgatccagt gccgtgagtg tggctaccgc atcctctaca 120

agaagcgcac ccgcaggatt gttcaatacg aagctcgctg aagacagaag aacaaacatc 180

attcactgtt ggtaggtgcc tcgattgatg tggagtgtgc cctgagacaa agctacaatg 240

gagaaatgta ttatatacag tacttttagg tctt 274

<210> 10140
<211> 385
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189089h04b1

<400> 10140

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tgtgccgccc gaatagtagt ctggagaggc gtcctcagcg acggaccggg cccaagtccc 180

ctggaaaggg gcgcctggga gggtgagagc cccgtccggc ccggaccctg tcggcccacg 240

aggcgccgac aacgagacag gttgattggg aatgcatccc aaatcgggct ggagactcct 300

gccaaggcta aatacaggcg agagaccgat agcgaacaag taccgcgagg gaaagatgaa 360

aaggactgtg aaaagagagt caaag 385

<210> 10141
<211> 384
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189089h08b1

<400> 10141

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gccatggtga atggcacggc agtgggctca ggccttgcct ccatggtgct tttcgaggca 180

aacgtcctta gcctccttgc tgaggtcttg tcggccgtct tctgtgaggt catgaacggc 240

aagccggagt tcaccgacca cttgacccac aagttgaagc accaccccgg gcaaattgag 300

gccgctgcca tcatggagca catccttgaa ggcagctcct acatgatgct cgcaaagaag 360

ctcggtgagc ttgacccact gatg 384

<210> 10142
<211> 346
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189089h09b1

<400> 10142

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gcgaggggcc ggccatgggc atcgacctcg gcaccaccta ctcgtgcgtc ggcgtgtggc 180

agcacgaccg cgtcgagatc atcgccaacg accagggcaa ccgcaccacg ccctggtacg 240

tcgcctgcac cgactcggag cgcctcatcg gcgatgccgc caagaaccag gacgccatga 300

accccatcaa caccgactgc gatgcgaagc gtcttattgg cagaag 346

<210> 10143
<211> 378
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189089h10b1

<400> 10143

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agctagctta gcttccttcc tctcgatcta gctagagcca tggcgccgac caagggcgag 120

gggccggcca tcggcatcga cctcggcacc acctactcgt gcgtcggcgt gtggcagcac 180

gaccgcgtcg agatcatcgc caacgaccag ggcaaccgca ccacgccctc gtacgtcgcc 240

ttcaccgact cggagcgcct catcggcgat gccgccaaga accaggtcgc catgaacccc 300

atcaacaccg tcttcgatgc gaagcgtctt attggcagaa ggtttgctga tgcccctgtc 360

cagagtgata ttaagatg 378

<210> 10144
<211> 303
<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189090a03b1

<400> 10144

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tcttctcgat taccaagtac accggcttgc ttgccaccgg cctcacagct gatgcgaggt 120

ccttggtctc ccaagcaaga aatgaagcag ctgagttccg taaaaaatgg ggatacgaga 180

tgcctgtgga tgtattagca aaatggatag cagacaaagc acaaatatac acgcagcatg 240

cgtacatgag acccccttggt gtagttgcca tggtcttggg ttatgatgaa gagaaaaatg 300

ctc 303

<210> 10145
<211> 313
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189090a05b1

<400> 10145

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gccctctcgt cctccttcaa gatgcagatc ttcgtgaaga ccctcaccgg caagaccatc 120

accctcgagg tcgagtcgtc tgacacgatc gataatgtca aggccaagat ccaggacaag 180

gagggaatcc ctccggacca gcagcgcctc atctttgccg gcaagcagct ggaggatggc 240

cgcaccctgg ctgactacaa cattcagaag gagtccaccc tccacctggt gctcaggctt 300

cgtggaggca tgc 313

<210> 10146
<211> 335
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189090a07b1

<400> 10146

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gggacaaagc gcgatggtgg ggtcccatat cagcagcttg agatggggtc tcaggctcaa 180

gctcctgact catcaggtgc aaacaacact acaagcacag gagatggctg ggaagatgga 240

tgggatgatg actgggatga cgaggaagca cctgcaaaac cttcagaaag aggacctgct 300

ggaagcatct cggcaaatgg cctttctctg agatc 335

<210> 10147
<211> 362
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189090a09b1

<400> 10147

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gtgaagagct gaagctgctg gggtggtggg cgcccggggt gagcccctac gtgctccgcg 120

cacagatggc gctcgccgta aaggggctga gctacgaata cctccccgag gaccgctggt 180

gcaagagcga cctcctcatc gcgtccaacc ccgtgtacaa gaaggtgccc gtcctcatcc 240

acaacggcaa gcccatctgc gagtcgctgc tcatcgtgga gtacctcgac gacgccctcg 300

gccttcccgg caacggcaag cccatcctcc ccgcagaccc ctacagccgc gccctcgctc 360

gc 362

<210> 10148
<211> 175
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189090a11b1

<400> 10148

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tcttctccgg ccgcggcgag cgaggccatg gggtgcatgc agtccacgcc gaagcggagg 120

cagcaccctg ccggctacga ggaccccgta cacctggcct cccagaccgc cttca 175

<210> 10149
<211> 84
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189090a12b1

<400> 10149

tcgttttaaa aaaaaaaaaa aaaaaaaaaa aaaaaagaat aaaaaaaaaa aaaaaaaaaa 60

aacaacaaaa aaaaaaaagg ggcg 84

<210> 10150
<211> 367
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189090b02b1

<400> 10150

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caggccgttg cctccgatcc tggcccgctc caggactttt gtgtcgccga catgcaatca 180

ccagtgcgtg tcaatggatt tgtctgcaag aacccgatgg aggtcaacgc tgatgacttc 240

ttcaaggcag ccgccctcga caagcctagg gtgaccaaca aggttggatc caacgtcacc 300

ttgatcaatg tcatgcagat tgctggactc aacaccctcg gcatctcaat cgcgcgcatc 360

gactatg 367

<210> 10151
<211> 295
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189090b03b1

<400> 10151

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aagctggtat tgcaaagaac ggtcagaccc gtgagcacgc ctttttggct ttcactttgg 120

gtgtcaagca aatgatcgtt gccgtcaaca agatggacga caagtctgtc aactggtccg 180

aggatcgttt caacgaaatc aagaatgaaa cttctggctt cttgaagaag atcggttaca 240

accccgagaa gatccccttc atccccatct ctgggttcaa cggagacaac atgtt 295

<210> 10152

<211> 385
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189090b04b1

<400> 10152

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gtgctcgggt tacattgttc aattggggtg atgtcgacat ggccaactgg tttgctgcca 120

tggtcatgga caaggcgtat gacggatttg agaaggcata ctctttcaat gcaacagcag 180

agggcaataa cacaatattt atgcagggcc ttgaggggct caattacctt gtgaagcaga 240

ccaacatgag cgggtcggat taccttgtgc caggaaagca gcaatcagtg ctctcattca 300

ccaagaagct gactcctgat attgatgttg tcgctggaga tgggttccca acaaaggtct 360

tcttcaatgg tgacgaatgt gctat 385

<210> 10153
<211> 157
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189090b06b1

<400> 10153

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gttggtcgca gctatgcgag cgaagaagga tgggaag 157

<210> 10154
<211> 277
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189090b07b1

<400> 10154

tcgtatgcgt ccgtcataat gactatacat ggcattacat tttcaatcac gccgataagc 60

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gagccagacc tcctcccttg actaaaaagt tactgcacag ttaccgtctt tttctttaga 180

tactctagcg gctgaaaagt tttcaatgaa gggcatttta tatcatgtat ttttggaatg 240

tctttctctg agatgatgtt ggtgccaatt aaaaact 277

<210> 10155
<211> 549
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189090b08b1

<400> 10155

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cctcgttcat accattcagg tttcagccac ggtttcaatt gtggagaggc tgtcaatttt 120

gctattggcg actggtttcc tctgggctct ctggctagca aacgctatgc acttctgaac 180

agaacaccct ttcttgcaca cgaggagcta ctttgtcgtt ctgcaatgct tctgtctcac 240

aaactgagtg atccagaaac aattaattct gaacatccat acactcaata ttgtgtgaag 300

tcttcctttg cgaggttgat gcgactgcag cggcgcacac gcagcttact cgctaaaatg 360

ggttctcaga tatactacaa gccaaaaatg tattcgaacc tatcctgtag catgtgccgg 420

cgtgattgct atgttacaca tgtgtcatgc ggatgcacct ttgatcctat ctgccttcat 480

catgaacaag aactgcggag ctgctcttgt aaatctgacc ggattgtcta cgtcagagag 540

gacatactg 549

<210> 10156
<211> 471
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189090b09b1

<400> 10156

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tcacaatatt tgatagccaa cctccttgtg atgctgcggt gttgcctaac aacaagccaa 120

gcaaaaggca ctcgaagcaa gtatcaccaa gactgccact aggtaattac aatgttgcta 180

ccgtctcata tgagctcact gtcctgcgca accgaggacc aaggagaatg cagtgcacca 240

tgcactcaat accagccgtg tgcatccagg agggcgggaa ggccccaacc cctactggca 300

tggtccactc actcgacgaa caagtgtcca ccctatcaac tagtagcaaa ggaaaggaac 360

caaacatcga attcttgtca acaagcctca gcgctgattt atccggaccg atctcgacca 420

gcgaagcgcc tctgcttctg aagaataaag ctccccgctg gcacgagcag c 471

<210> 10157
<211> 447
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189090b10b1

<400> 10157

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cggccagaaa atcttgtgtc cactgttctt cttccacctc cgttcgagtg agaggagagg 120

tagctagagg gctgcggttc caacaattgg tatcagagct ggttcatctt gggtgtcgtc 180

cccttgccgg aggcgtaccg gcggtggcgg cgttcggcgg cggctgctcg gtgaagctct 240

gggccgtgtg tcagtctatg gaggtgcgcg gcgcggcgag gaggccgcgg tggctgcggc 300

ggcacggtaa ggaggccacg gaggacctgc gtggtggcgg cttcaacgac acacaacggc 360

atggcggcat ggaggtgccg cgctgcggct gaggccgcaa cggtgcaggg caataagccg 420

tggcggcttc aacgacacac agcggca 447

<210> 10158
<211> 353
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189090b12b1

<400> 10158

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caaggccaag agcccagtga agcagcggcc atggagggca aggaggagga cgtgcggctg 120

ggcgcgaacc gctactcgga gcaccagccc atcggcacgg cggcgcaggg cggcggcgcg 180

gacgagaagg actacaagga gccgcccccg gccccttct tcgaggccgg ggagctcacc 240

tcctggtcct tctaccgggc ggggatcgcc gagttcctgg ccaccttcct cttcctctac 300

atctcggtgc tcaccgtgat gggcgtggtg ggcaacccgt ccgggtccaa gtg 353

<210> 10159
<211> 327
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189090c01b1

<400> 10159

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ccgcgcagca gaagtcagcc atcgacgggt tcggcacgcc ggagcgatgc gccaccgagc 180

ctacggcgtt aaaccgcgag tatgctcttc tgaaaaggaa ggccaaggag gcagatcagg 240

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tccccagacg cgctgatgtt gtgtctg 327

<210> 10160
<211> 401
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189090c02b1

<400> 10160

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attaagcgat gtcagagaag aagaagttaa gaggaagaaa aggacatgtg tcttgcagtc 120

atcctcagag tctgaattcc atgcctcaga caaggaattg ggtgataaca ggatagaaga 180

ggccaggagg aagaagaggt tactcgtctc gcaatcatcc tcagattctg aattccatgt 240

ctcagataag gatgtcaggg acttgggaga ggctaaatct ctggtggctc agcccatgct 300

gtctgtgtca ccgaggaggc tttcttttac aaggaatgga tgggacaaag gaaaggagaa 360

aaaagaacta gtagatgctg ggaagccctg gtgtgggata t 401

<210> 10161
<211> 221
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189090c05b1

<400> 10161

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ttacgttcta cgccagcggc aggcgcttct gccagggggt gctcgccacc atggagatgc 120

gcgcgcggca cgacctgctg tccaagctgc tggagctggt cttcctcagt aaggacacca 180

tcacgttcga ggtggtgatg aacgaggacc ccatggacca c 221

<210> 10162
<211> 97
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189090c06b1

<400> 10162

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cccaacacct gcgcggcctg ctggcagcgc cccctct 97

<210> 10163
<211> 317
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189090c07b1

<400> 10163

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gcgttcctcc acctgcccca ccacttcgcc accacggagg ggagcttcag ggacatgggc 180

aaggcgcccc tacgcttgcc cggggacccg ccgatcccgg cgtccgacat gccgcacacc 240

gtgatggacc gcgcggaccc gatctgcacc atcaggatcg ggcactacgg gcgcatcccg 300

gaggccaggg gcgtgct 317

<210> 10164
<211> 420
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189090c08b1

<400> 10164

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cctcctccgc gaggccgcgt gcctcgaggc ctgccgcggc cacccgtccg tcgtctagct 180

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gctcatgcgc cagctcctgg acggcgccag ggcgatgcac gacctcgggg tcctgcaccg 360

cgacctcaag ccggacaacg tcctcgtcga cgcccacggc gacctcaaga tctgcgactt 420

<210> 10165
<211> 416
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189090c09b1

<400> 10165

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cgggacttgc tgctacacct gacataaaat tcacagaggc tcaggtcaag tgttacatgc 180

accagctact gtctggactt ggtcactgtc atagtcctgg tgctttgcat cgggatataa 240

agggtgctaa tcttctgctt gacaataatg gtgccctcaa aatagcagat tttggtctag 300

ctacattctt taattcgaac cataagcaga atttgacaag tcgcgttgta actttatggt 360

accgcacccc ggaactttag ctgggtgcta ctaactatgg tgccactgta gatctc 416

<210> 10166
<211> 128
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189090c10b1

<400> 10166

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gaggaaggga gggagggttc ttggggacgc gcatggacca tggcggcggc agcggtgggg 120

gtggaagt 128

<210> 10167
<211> 391
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189090c11b1

<400> 10167

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ctgtcaagtg gcacattgtc aaggatgttc ccaacaacat tctcaagcac atcgtccttg 180

agaacaacga gggcaagcca gtcacaaaca gccgtgacac acaggatatc aaccttgagc 240

aaggtatcca gatgcttaag atattcaaag agcatgtcag caagacctct attctggaag 300

actttgcctt ctatgagaac cgccagaagt tgatgcagga gaagagaata aaacaacagc 360

agatccaaaa gcaggtgtgg gacagcaggg c 391

<210> 10168
<211> 519
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189090c12b1

<400> 10168

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agtgatgcaa gtaatccctg ctgaccctgg tcagcttgat tctgccgagc gtgtagtccc 120

tcaagcggga caggtgtggt tcccagattc ggccgcaaaa acggcccagg cactgctgga 180

tttcaaccgt gaagagctcc cgttgttcat acttgctaac tggagaggct tttctggtgg 240

gcaaagggat ctgtttgaag gaatccttca ggctggttct atgattgttg agaatctgag 300

gacgtacaag cagcctgctt ttgtgtacat accaaaggct ggagagctgc gtggaggtgc 360

atgggttgtg gtggacagca agatcaatcc ggagcacatt gagatgtatg ccgagaggac 420

tgcgagaggg aatgtccttg aggcaccagg actcattgag atcaaattca agccaaatga 480

attggaagag agtatgctaa ggctggaccc tgagttgat 519

<210> 10169
<211> 174
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189090d01b1

<400> 10169

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atccagcgac gccagaaaag aagaagttaa gaggtacaaa aggacatgtg tcttgcagtc 120

ctcctcagag tctgaattgc atgcctcaga caaggaattg ggtgataaca ggat 174

<210> 10170
<211> 373
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189090d02b1

<400> 10170

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ggtgacccgt gccgtcctcc ccacagctgc acagctctca gccaagtaca actctgccgt 120

gctcgatggc gctaagcgtg gcaactccgt cgccacctac ctgccactcg tcccaacaga 180

gcgcattgca agggtgttcg ccaacccgtc tgctgatact gcgcctgcca cagctcctga 240

gatgcagccc atcccgacgc agtaacaata agagctaccc gttgttatgt tacctaatag 300

ctgttaggag tcagtatctc gttgtgtagt gtcttgcttg gcttgtggtg gacagcggta 360

atatgtgtgg atg 373

<210> 10171
<211> 290
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189090d04b1

<400> 10171

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cgaattgatt gatcttgttg gttctacttc tcggtagcaa atcaagatgg cgtctgcttc 120

tcccgcgcca gcgacgctgc tggccgtgtg cgccttgctc gccgccatgg cgctcttcca 180

gggcgcgcgg gcgcagcagc tgagcccggc ctactacgac gagtcgtgcc cgcacgtcta 240

cgacacggtg cggcgcgtca tccaggaggc ccgcaccgcc gacccgcgca 290

<210> 10172
<211> 178
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189090d06b1

<400> 10172

tttgttgtgg accccgcgtg cccctccctg gaaagcctgg ctcgggctag ggcacgcagc 60

caccacccat acccccaccc tgaccgatcg cgtcctccca ttcttggacc ttaccttgcc 120

tgctcgccct ttttatggcc tactactgcc gagtgcaccc ctactactga ctgaaccc 178

<210> 10173
<211> 193
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189090d07b1

<400> 10173

ttgcacacta cgcgtaaaag actctgggtg cggcttgagt tcacctttgc tggattgcag 60

ctcatgtgga gctacagtga gaatctggga ctacaaatgc gttccactct cttctgatct 120

taatctcggg aacattgatg cacctgatgc agggacgaaa cctatgttgg cacgtctaat 180

tagcgctacc agt 193

<210> 10174
<211> 149
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189090d08b1

<400> 10174

tcgttccacc ctcggcggcc tccaccccag gatcgtctcc aacaacgccg actgcaccat 60

ggacatccat aagatcgttg gctccatgag gagcccggat gggcatgtgt gttatcccac 120

cacccggctc atatgcttgg agaacacac 149

<210> 10175
<211> 389
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189090d10b1

<400> 10175

tcgtgtttcc tgctagggtt ttggtccttt gttttcggcg gcgcaagatg ggggagaggg 60

tcaagggaac cgtgaagtgg ttcaacgtca ccaaggggtt cggcttcatc tccccggacg 120

acggcggcga ggacctttтc gtccaccagt cctccatcaa gtccgacggc taccgcagcc 180

tcaacgagaa cgacgccgtt gagttcgaga tcatcaccgg cgacgacgga cgcaccaagg 240

ccaacgacgt caccgcaccg ggaggagggg cgctctccgg cggctcccgc cctgtcgaag 300

gcggtggtga ccgcgggggc cgtggcggct actgaggcgg cggcggtggc tacggcggcg 360

gcggtggcgg ctacggaggc ggtggtggc 389

<210> 10176
<211> 499
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189090d12b1

<400> 10176

ttgtgtgacc gtgacctccc tgcccgacga gcgctctacg atggcatctc aggattccaa 60

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ggcgccgaat cccacttccc cgacagcggc ccaaaaccct agcgccgccg ccgccggtgg 180

ggcagccacg gatctagaga agaagatgcg ccgcgcggag aggtttggga cgcaggtggt 240

tatgtccgag gacgagaagc gaagcagccg cgccgagagg tttgggactg gatcttctaa 300

tgaaaagatg gaggaacaga agaagaagtc cagggctgag aggtttggcc ttcccacgcc 360

ctcctctgat gataccgagg ctaagaaaaa agcccgctta gagcgatttg gtcagagcac 420

agaagttggc aaggcggaag aagagaagcg aaaggcacgg gcccttaggt ttgccggagc 480

agcacctagt gggtcatct 499

<210> 10177
<211> 419
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189090e01b1

<400> 10177

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cccgacatcc cggccctcca ggagatgcgc aagcgcttcc cgctccagct cgtcaaggac 120

ctcatcccca tgggcggcga ctacctcctc aagccccccа agccacaagt catcaaacag 180

gacgagaaag catggatgac cgacgccgag ttcgcaaggg agattctcgc cggcgtcaac 240

ccgatgatga tcacccgtgt cacggagttc ccccccaaga gtactctgga tcccagccag 300

tacggcgacc acaccagcac catcaccgag gcgcacatcg ggttgagcct ggagggcctc 360

accgtgcagc aggcagtcgc tagcaacagg ctctacatcc tcgaccacca cgaccacat 419

<210> 10178
<211> 351
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189090e02b1

<400> 10178

ttcacgcgtc cgcgactcct tcgccgacat cctcaagctc tacgagggtg gcatcaagct 60

gcccgacatc ccggccctcc aggagatgcg caagcgcttc ccgctccagc tcgtcaagga 120

cctcatcccc atgggcggcg actacctcct caagcccccc aagccacaag tcatcaaaca 180

ggacgagaaa gcatggatga ccgacgccga gttcgcaagg gagattctcg ccggcgtcaa 240

cccgatgatg atcacccgtg tcacggagtt ccccccccaag agtactctgg atcccagcca 300

gtacggcgac cacaccagca ccatcaccga ggcgcacatc gggttgagcc t 351

<210> 10179
<211> 90
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189090e07b1

<400> 10179

ttcggtggca gttgtccaac cgaacggggg cgaggtatgg actagaagct gcgcgacccg 60

accaagggcc tcggagccgg gggcatggac 90

<210> 10180
<211> 325
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189090e08b1

<400> 10180

ttaaggggaa gtgggacccg gcgatccgga tgccttggta ggaggagccc gccacggccg 60

accagagctc cgagaagggg gaggacggcc tcgggacgag gtgggcggta ctcgtcgccg 120

gatcctacgg ctacggaaac tacaggcacc aggccgatat atgccatgcc taccagatat 180

tgagaaaagg aggcgtaaaa gaggagaaca tcgcggtgac tatgtatgaa gacattgcca 240

acaaccttct caacccgagg ccaggggtta tcatcaatca cccataaggc gaagatgtat 300

atgctggcgt tccaaaggac tacac 325

<210> 10181
<211> 505
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsrow189090e09b1

<400> 10181

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acaagttcag cctcggagag aatatcagag ctgcaagaaa agattggaga atctgaattt 120

gacagggatc tgttgcagat tgtagaaaag attgcgtccg gatcttctgg agacttatat 180

cgaggaactt accttgatgt ggatgttgca ataaaattcc ttagaactga acatgttaac 240

gataattcaa aagtggagtt tttgcaagaa ataatgattt taaggagcgt taatcatgaa 300

aatgtcgttc gcttttacgg ggcttgcaca aaacagcgaa agtatctcat tgtaacggag 360

tacatggctg gaggcaatct gtatgacttc cttcacaagc ataacaatac cttggagctt 420

tccttgattc ttaagattgc tattggcatc tcgaaaggga tggattatnt gcaccagaat 480

aacatcatcc atagagactt gaagt 505

<210> 10182
<211> 418
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189090e10b1

<400> 10182

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tgtggtgctc cccccgtcca tcctgcgcgc cgacgaagcc atccacggcc tccccgcgat 180

gagccaatgc caaatccggt cagccgcggg ctcccacgac gggccgttga tggatccaac 240

catccacggc cttcggcgat gcgctctctc cggatctgcc ccgcgctcct cccccggtcc 300

cctcccacct cacgccccaa cccctccacc ttatacaccg attcgccgcc ggtggcccga 360

gccgccgtag cctccacacc gcacttgtct tggagctcgc agtgactctc cgcacgag 418

<210> 10183
<211> 391
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189090e11b1

<400> 10183

tcgttaacat ttgcctcttc ctccctccct ccgtaccccc ctccccctct ctctctccca 60

acgcccgtcc atctctccgg cgaaaccgat ggccgcgagc tcaggcgacg agtcccggag 120

gcccaatccc ctcccctcgg ggctcgtgtc caatctgcag tccgtcctcg cctcccgccg 180

cccgccttcg cccgaggacg ccggctccac cgcggccgag gccgaggccc cgacagcgga 240

gacggcggcc gatgacgcgc cggctaagcc tgtcgtactt ctgacctgcg ccggcgggat 300

ccagtcgccg ggtctcgtgg cgctcgtcga cgccctcgtc aagggcggcc gatgcgacgt 360

ccacgtgtgc gcccctgaat cggacaagcc t 391

<210> 10184
<211> 424

<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189090e12b1

<400> 10184

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agttacagga taagaaaatc cagttggaaa aggaggcgaa tgaactgatt ttgaaaggaa 120

gcaaggtttt ggtctctgtt tttccttatg aggaggcggc taagttatgt ggaggtgctc 180

tgcctagcta catttcacaa gacagcactc cccgcattgt gaaatttggt gactatcctg 240

gttgtccttg tggaggcact catgtagctg atatcgcaga catcggcaac ctaaaggtca 300

caaatatacg ggtcaagaaa ggcgtgacta aagtctccta cagcatcaac ccgtaatttt 360

ttctgcgcaa ctctcgcacc cagaatttgt cagagtagag gaaggataat tatctagaga 420

atca 424

<210> 10185
<211> 334
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189090f01b1

<400> 10185

gtacatggag ggtatcccac cggaccagca gcgtctcatc tttgctggca agcagctcga 60

ggatggccgc acccttgcag actacaacat ccagaaggag tccactctcc acttggtgct 120

cagctccgtg gtggtatgca gatcttcgtc aagaccctca ccggcaagac catcaccctg 180

gaggttgagt cctcggacac tattgacaat gttaaggcca agatccagga caaggagggc 240

attcccccgg accagcagcg tcttatcttt gccggcaagc agcttgagga tggccgcacc 300

cttgcggatt acaacatcca gaaggaatcc accc 334

<210> 10186
<211> 391
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189090f02b1

<400> 10186

gtgacttttt ccgccgccgc cgcccctagc tccagcgccc tcgccgtcgg tcgcagccaa 60

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gggagctggg cgcaagctca agacccacag gaggaaccag cggtgggctg acaaagccta 180

caagaagagc catctgggga acgagtggaa gaaacccttt gctggttcat cccacgcgaa 240

ggggattgtc cttgaaaaga ttggcattga agccaagcag cccaactctg ctatccgtaa 300

gtgcgctcgt gtccagctgg tgaagaatgg aaagaagatt gccgcctttg tgccaaacga 360

cggttgcctg aacttcatcg aggagaatga t 391

<210> 10187
<211> 303
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189090f04b1

<400> 10187

ccttctcctc cgcctactct tttttccccc agctggaacc aaaatccgcg ttaaattcgc 60

agaattcatt agcgggcgtc gcctctgagt gtggcctcaa agcttagctc aagatggtgc 120

ttgctccgat cattcatgaa ctcttcctgc gtgcgtgcgt gcgtggctgt gtggctcaga 180

gcttagcttt gctgctttga ccatggcggt cgtggctgtg gcgccgcggc tggtgcttct 240

gctgctgctg agccgcgccg ggcttccggc ggccgtgggg ctcggggtga actggggcac 300

gat 303

<210> 10188
<211> 274
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189090f05b1

<400> 10188

gttatttccg caaaacggat ccgcaacttc gggaaaagga ttggctctga ggactgggct 60

ctggggtccc ggccccgaac ccgtcggctg tcgatcggtg agtacgacca cgtgagggag 120

ctcatcaagt ggggaacgga ctacctgctg ctcaccttta actcgtacgc ctccaccatc 180

aacaagctct acagtcaggt gggtactgcc aagatcaacg gcagcacgcc ggacgaccac 240

tactgctgga accggccgga ggacatggcg tacc 274

<210> 10189
<211> 272
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189090f07b1

<400> 10189

tcgttacgcg tccgcatccc ggccccacca ccggcagtac ctactctctt ggtgtgaaca 60

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gtactcttga tcgatgataa tagattatag ctgattgcac cggtgattag cacagtatac 180

tcatgtttgt gtggaaatgg aaccacgagt agtagcacta gtatagatac gtacaataaa 240

atgtggtagc ggtggcttaa gtttggtcaa tg 272

<210> 10190
<211> 341
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189090f08b1

<400> 10190

tcgttttgct gttggtgtca tcaagggcgt ggagaagaag gaccccaccg gcgccaaggt 60

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gtcattgctt ttgttgcttc agactcttat cccgagcgag caatgatctg tctgtcgttt 180

aattactgta tttctattcc tgcgtcggct aaactcctgt gcccctgaga ctgatttgtt 240

gtgaaatgca cgttattaga ttgcaacttg ttagcttgtt tttctgctgc ttttgccaaa 300

tggttgcctg cttaagatgc ttctttatat cgaactttaa a 341

<210> 10191
<211> 473
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189090f09b1

<400> 10191

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aatatgcttc agcctgttga tattgacact catggtagtg caaaaacatg tcgtgtacat 180

gatatggtac ttgatttcat cacctcgtta tcagccgagg aaaattttgt tactatacta 240

ggaggtcagc agccattgtc tacagggaac aagatccgcc gattatcagt ccaaaagaac 300

aatggagagc acaatatgct tgataaatcc atggacttat cccatgtaag gctacttttt 360

gtcttgaggt ctgctattga catgattcca tcacttttga gcttccaggt tctacgtgtg 420

ctggatctcg aagaatgcca acatttggat agttgttatt tgaaggacat cac 473

<210> 10192
<211> 420
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189090f10b1

<400> 10192

tcggttagaa gaaccgggag atctcataga tcttgctctg tcaatggggg gaaaaggata 60

caatttaact ttgcaaaggt gttgagggga aagaggagga gaacggttgg ggaaaggcat 120

tgttgtgctg acatcagaat ggagcctgat agaagcataa ctaatgaacc ttaatccaag 180

tttgattata agcacatcat tgtttgtcac aacttttgat gtgcattaga tatttttcaa 240

ttgtaaaaag taatactgtt tgcatgtaca ttaactttgt ttttcgctta gtttgagacg 300

cttctttttc tttttagtga cgcaaaattg tttagtttta attgcttact gttactttac 360

tttgtaacga gttggattca cattcgagat tgtttccaag aaataaagtt atgttgatgt 420

<210> 10193
<211> 365
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189090f11b1

<400> 10193

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tgctcctcct gctgcttgct ccactcaaca cgaggagatc tagaggagtc gatgactggc 120

agtgccgtct ttaaccggaa gcactgtgcc acattggata aaaagaagac accaacagca 180

ggatatatca aaagtgtttt cgatgatccg tgttcttcta ttgcttctct tgccatatgt 240

accccaatgg gcatcagtga gagcattcaa caataagact gatgtggatt ccttgctagt 300

gttcaaggca agcattgcca accaccatgg tgtcctagct gcatggaaca caagtactga 360

cttct 365

<210> 10194
<211> 378
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsrow189090f12b1

<400> 10194

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aagaacaaga tggtcgccgg ctgtttcatc accgacgagt gcgccctggc ggtgtcgacg 120

gagcggatgt ggaaggcggt cttctccggc gaggacacgg ccgtcctgcc caaggcctgc 180

gcgggcttca tcgacgccgt ggacgtcgag ggcgacggcg gacccggcag cgtctccacc 240

atgacgctca gcccggcggc agcggagctc gccggctcgg gcgtgatgag gagccgcctg 300

gtggcgcgcg acaancgcgg cccggtgatc aagacggagc tgctggaggg cagcaaggtg 360

agcgcccagc tcaagtcg 378

<210> 10195
<211> 328
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189090g01b1

<400> 10195

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ccccagacgt acccgtttat ctcatccagt gtgtttgcgc ctagttatag tagcccaaaa 180

cgtaatagag gtcaccctca agtctgaacc agttaaaaga gaactccgaa gtctgaactc 240

ctatgttaca tagattccag tgacatggtg aacttatgtc ggttaatgta ctgtccctgt 300

gtttgtggat caattaggtt gttaaaaa 328

<210> 10196
<211> 234
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189090g02b1

<400> 10196

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ccgcggctcc actaaagagg acgtgcccct gccggctagc ttggaccaca ggctgctcgc 180

ggagcgccaa gagcgctcgg tgccgtacga ccacccggag tacaagccgg agcc 234

<210> 10197
<211> 413
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189090g03b1

<400> 10197

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cagcaagtga gccttgttat ggctctgcgg cgtcgtgcga gcgggggcac cagccgtacg 180

cggacatctt cacgctgccg ccgccgacga cgatgacgcc ggccccgtgt cagtgttcag 240

agttcttggc gatggccgcg gctgatctgg cgaagaaggg cggcagcccc gacggtgttc 300

aggaaatgat caccaagaag cggaggcgta acgacgttct tgcggcccac gcgcagcagc 360

agaccatgga cgtcgaccgc atcctgctaa aacatgcgaa aaatatgtgg act 413

<210> 10198
<211> 275
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189090g04b1

<400> 10198

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tcaccggctt ttccacagag ttcgttggcc gtgcctggga cctcaaggag gacgatgcgg 180

ccaagcttgt ctccagccag cctgcgtctg gcattgtgaa gctcactgct gggcagaagc 240

tcccagtgcc ggtcgatgcg gaccgcaagg acatg 275

<210> 10199
<211> 251
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189090g05b1

<400> 10199

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ctccggccat ggcggcgacg atccagtccg tgaaggcccg ccagatcttc gacagccgcg 120

gcaaccccac cgtcgaggtt gatgtgtgct gctcagatgg aacctttgcc agggccgccg 180

ttcccagcgg tgcatcgact ggtgtctatg aagctttgga gctgagggac ggtggatctg 240

actacttggg c 251

<210> 10200
<211> 235
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189090g06b1

<400> 10200

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cagcaaccat gaagagcacc aagctcgcgg cgatcctgat cctccaggcc gtcctggtca 120

tggggatcct ctcacacgtg aacgccgact atttacccaa gagctgcaac aactgcaggt 180

ccttctcggg ggtcgacgcc tgcgacgacg cccaccccca gtgccccaag ggctg 235

<210> 10201
<211> 429
<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189090g07b1

<400> 10201

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ttgatcctag cccactccaa gacttttgag tcgccgacat gaattcacca ggaactatcc 180

gttttgtcat catgtcttca ccaaatacat atgttgaaat ctatttccgg aaattatatc 240

caagtcgaaa caactttgta aaatctgagc ttacatgtgt atatcttgcg cccccagtcc 300

gtgtcaatgg gtttgtctgc aagaaaccga tggaggtcaa tgcagatgac tttttcaagg 360

cggccaacct cgacaagcct aggctgccca acaaggttgg atccaacgtc acattgatca 420

acgtcatgc 429

<210> 10202
<211> 267
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189090g08b1

<400> 10202

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ttgtcaagcc gaccattggg cagagtccaa agctacaagg tcgtactccg aggaggggca 180

gcggcatggt caggagctcg ctgcagggcg ccgtcgtcgg gaacaggacg gagtggctga 240

ccagctgcgc ggtgctctcc agcaagg 267

<210> 10203
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<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189090g09b1

<400> 10203

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ttttgaatct ttgctagctg cggaaaggcc ttcttccgtc atgtgctctg gtccgcgcaa 180

gccgtcgacc ccgcctccgg tggcggcggc gccgaaggat tcggcggcca tggcctcgct 240

tctcctcgag ctggcggcgg cggataacgt ggtggagttc aggcgggtcg tggaggagga 300

gaaggcgtcc cttgatgctg cgggatcgtg gtatgggccg tcggctgttg gccttggccg 360

gctggccgcg gagagccgga ctccggctat ggtcgccgcg ctctacggga gcacggccgt 420

gctggcgcac gcgc 434

<210> 10204
<211> 421
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189090g10b1

<400> 10204

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ttctccgacc tccacaccgc cgacgggctc aaggccctcg aggcgcacct cgccggcaag 180

acctacatct ccggcgatgg gatcaccaag gacgacgtta aggtgttcgc ggcggtgccc 240

gtgaagccca gcgccgagtt cctgaacgct gcccgctggt acgacgccgt cgccgcggcc 300

gtttcttcaa ggttccctgg ccaggcctct ggggtgagtg catcctcggc tcctgctgca 360

gctgctcctg ctgcttccaa ggatgaagat gatgacgatg acatggatct gttcggcgat 420

g 421

<210> 10205
<211> 411
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189090g11b1

<400> 10205

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agcaccttct gagggatgtg aaagacacaa caataagcac acttgccaca gaggtcagca 180

gcaagcttgc agccctgaag ggactcgatg cgaggcttac ggagatccgg ggttatctag 240

atcttgtaat tgaagggaag ctcccactga accatgagat tctgtaccac ttgcaggatg 300

tgtttaatct gctccccaat ctcaacgtaa atgagctcat taaagccttt gcagtgaaaa 360

caaatgatat gatgctggtc atatacctgt cttctcttat ccggagtgtc a 411

<210> 10206
<211> 406
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189090h01b1

<400> 10206

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ttcgacgatg gcgccgtccc gagctgcatg atctcgccgt tagaggcaga caacggtttc 120

accgacgagc tgccgtcttt gcagttaccg gacctggacc ttgacttcga catccacgag 180

ttctccgcac cggcaacggc accggcgaaa gcggccacct caggtggctc cggattggtt 240

ggttccggtt cgggatcgca caagaagctc aaccacaacg cgtacgagcg cgaccggcgg 300

acgcagctca atcagctcta ctcgactctg cgttcactca tccccaacgc agatcacaca 360

aagaagctga gcattccgac gaccgtctgt caggtccttg actaca 406

<210> 10207
<211> 374
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189090h02b1

<400> 10207

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acgctctcca gctcgtctcg tcgtcgatcc tcccgatgac gctcaagaac gccatcgagc 180

tgggcctcct ggagaccctg gtggccgccg gcggcaagct gctgaccccc gccgaggtgg 240

ccgccaagct cccgtccacg gcgaaccccg ccgcggcgga catggtggac cgcatgctcc 300

ggctgctggc ctcgtacaac gtggtgtcgt gcacgatgga ggagggcaag gatgggcgcc 360

tgtcccggcg gtac 374

<210> 10208
<211> 254
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189090h04b1

<400> 10208

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ctccgagacc agctgcgagg cggtccgtct gtcgtgcgcc acgctcgtgg agcggctcaa 180

gcccatcacg gagagcctcg agtccaagtc cggcgccccc gcgccatgga aggccttgat 240

tacccaggcg acca 254

<210> 10209
<211> 236
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189090h05b1

<400> 10209

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cccgtggtgg acaagaagag ccccaactac acgtggttcc tgcgcctcgg cggcagcttc 180

atggacgcca cggggatcat cgccaacacc gcggacgggc tcgagccggg gcccct 236

<210> 10210
<211> 299
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189090h06b1

<400> 10210

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aaagatggtc aaggaaatga agtggcttga aaatcatgtg cttaaagatt ttctggagtg 120

ggagccaatg cgccagaaag gtttgtacca atcaattaag attgccaatg ggttcagcaa 180

cattcatttg ggtctagcat gtcatggctt cgaggagtat gtattgagga ctcgccttta 240

tcgtctgttt gtggaaagtc ttgaccgtgc ctttcttgag atttggaagc gggtcaatg 299

<210> 10211
<211> 374
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189090h07b1

<400> 10211

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gtgaccctaa cacggagaag cttgggtcag atggaatgca gcgatcaagc agcggaactc 180

aggcaaatgg ccatctcgac gaggatccag tcagcagtga taattccagc caagctattt 240

ccaaaaatgc tgacaagaag atatcactgc taggacacgg gcaccacggt aaacaagtgg 300

tcgagctttt gctggccaac ggtggggagg aggccgttca ccagttttgc caaagatgga 360

ggcatgtttt cgtc 374

<210> 10212
<211> 463
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189090h08b1

<400> 10212

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tgggatggta tttaccacta cttggtacaa catggtcgtg atcgcatcat tgcgggtgac 120

tattccaagt tcgacaagcg catgagtgcc atattgattc tggctgcgtt caaggtgatc 180

gtcaatattt tggcggctgc aggttggaac gatgaggatc ttcacattgt gtggactatg 240

gcgtttgaca tcgcattccc agttgctgat cacaatggtg atctcgtgca atttctggga 300

tcgaacccct cgggacatcc tttgacggtg atcatcaaca gcatagtgaa cagcttgtat 360

gtgcgctatg cttggtgtac gtcaaatcac aaccttgagg atttcgtgaa gtatgtggct 420

ctgatgacat atggtgatga caacatcatg ggtgtgagtc gtg 463

<210> 10213
<211> 381
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189090h09b1

<400> 10213

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atcgacatca cctgggtgtc gcgccggggc gtcaggtcgt cgctcccgtt ccacacgccg 180

tgcctatacg cctccgtctc cgtcacgccg tcgtctgccg gcaagaacgt ccgccgccac 240

cgcgtcaaga cccccaccga ccgcgccggc ggcgagaacc ccgagtggga cgagcgcctg 300

cggctccgcc ttcccgacga cgcctcgctg gcgtcagagc aggaagccgc ggggaaaaag 360

aaggacgggc acgttgacca c 381

<210> 10214
<211> 406
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189090h10b1

<400> 10214

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gtccgcggcg tcttccagtt gttatctgcg aggcccgagg gtgtgagcaa tttcgtcgag 180

gctgttgcaa tctttggacc gggaacgaga ctggtctaca agcatttggc gacactatac 240

ttcgtctttg tctttgatag ctctgagaat gagcttgcca tgctcgacct tgtacaagtt 300

tttgttgaaa cattgaatag gtgcttcaag aatgtatgtg agcttgacat tgtatttaac 360

ttcaacaagc ttcacacagt tttggatgaa atgatactgg gaggac 406

<210> 10215

<211> 369
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189090h11b1

<400> 10215

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ggcatgctga ggcgcaatct ctgagcttta tgaagatcgc cactcacctg cgccggtgct 180

gcttcctcca gtccttctcc gtcgtcttcc tctactactt ttatgtgatt tcataattgg 240

ccctctcaaa tccgccgttg ctagcagtaa actattttct ttctcttctt cttcttcttc 300

tcgcttcctt ttcctgcttc aacaagtgat aaataagaac ggtagcagca tcatcatcat 360

cagcagtag 369

<210> 10216
<211> 435
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189091a01b1

<400> 10216

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gtgaacacca ccacagctac aagtagagga agtggaattt ctcttgtgga aaaaagggag 120

agttgcttga gtggccatga tgggaggtgg gctgctcatg gatcagggca tggcgttctc 180

cggcgtgcac aacttcgtgg atctgctcca gcagaacggc gccgacaaga acctcggctt 240

cggctccctt atgccgcaga cttcctccgg cgaccagtgc gtcatgggcg agggcgacct 300

cgtggacccc ccgacggaca acttcccgga cgccggggag gacgacagcg acgacgatgt 360

ggatgacatc gaggagctgg agcgccgcat gtggcgcgac cgcatgaagc tcaagcgcct 420

caaggagctg cagca 435

<210> 10217
<211> 446
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189091a02b1

<400> 10217

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gcccaatcag ggcaatgaag ttctctgtgt cccctgttgt gcgtgttgct gttcagtgca 120

aggtggcttc tgatcttcct aagcttgttg agggtttgaa gcgtctggcc aagtctgatc 180

ctatggttct ctgtaccatt gaagagtctg gtgagcatat catcgctgga gccggagagc 240

ttcatcttga aatctgcttg aaggatctgc aggatgactt catgggtggt gctgaaatca 300

ttgtttcccc ccctgtcgtc tccttccgtg agactgttct ggagaagtcc tgccgtaccg 360

ttatgagcaa gtcccccaac aagcataacc gtctgtacat ggaagctcgc ccattggagg 420

agggattggc tgaggctatt gatgat 446

<210> 10218
<211> 447
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189091a03b1

<400> 10218

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atttggttag cggaagatgg gccaaatctg acttggtcac tatgccgccg tgtcagtctg 180

ccgataccaa gaaatcttct tgcctttgca tgtgcgtcaa ctgacccgga caagatattc 240

ctctccattg atgcgcgcta ccttctcagg tgtgacctcc ataatgaatc tcttgaagaa 300

ataatcaaca tgcgtgacat gttgtatgat ctccagaagg gcagaaaatt caccattggt 360

tcactctttg ttgcccacta tatggtgcca tttgtggaat cactgttgcg catcagatct 420

tcatagcaac aagccatcat atcgtat 447

<210> 10219
<211> 147
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189091a04b1

<400> 10219

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ctatctgcac taggtggaaa gttatgctat atccactctc ccactccgtg ggagattgcc 120

atttggttcg cagaagatgg gccaaat 147

<210> 10220
<211> 354
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189091a05b1

<400> 10220

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tcaagatgcc gctgaaacaa ataatttcat tcaaagatta aaatatggtc atcaggagca 120

gaaagtgttg atggaggaag acgaagatga tatcgaagac tgtgaggatg aatcagaaaa 180

tgaaaggtca catgacttga ctcccaatat tgtgcggcag aattctgaga aggcaaaaca 240

aatgattgcc aaaatgttca cagatgagaa tgacacttat gagcactctg atgatgagga 300

aatagaggag catttggccc gtcaacgtat ttcaaagcga gaagttcata gtac 354

<210> 10221
<211> 456
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189091a07b1

<400> 10221

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ggattggttc ttgacgaggg acttgcatcc cctagggagg agtaccgggt gttctatgca 120

gaacgtagtc cttggtggct tactattaaa gcaaagggag cgccagggca tggtgcaaaa 180

ttgtatgatg gtagtgcaat ggagaattta atgaaaagtg tggaggctct tcggaggttc 240

aggacagctc agtttgattt ggttaagtcc ggagagaaag ctgaagggga cgttgtatcg 300

gtgaattttg cgtacttgaa ggctgggaca cctacaccca cgggttttgt gatgaatcta 360

caaccatctg aagcagaggt aggaattgac attcgaatcc ctcctagtgt tcatactgaa 420

gcactagaga agcgtcttgc tgaagaatgg gcacct 456

<210> 10222
<211> 433
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189091a09b1

<400> 10222

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ccacccagcc ccgtccaaga aaccgcacgc caccgtggac gcgacccccc gccggcgcca 120

agatggtgcg gctaagcaac acggtgatcg ggatcctgaa cgcggtgacc ttcctgctct 180

cggtgcccat cctggcgggc ggcatctggc tgtgggcgcg cgccgacggc accgagtgcg 240

agcgctacct ggcggcgccg gtgatcgcgg tgggggtgtt cctcatgctc gtctccatcg 300

cggggctcgt cggcgcctgc tgccgcgtca cctgcctcct ctggttctac ctcgtcgcca 360

tgttcctgct catcgtcgtc ctcctcggcc tcaccgtctt cgccttcgtc gtcacgcaca 420

agggcaccgg gga 433

<210> 10223
<211> 263
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189091a10b1

<400> 10223

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gcccttgggt ttcaaattgc atcggaaaga agaacaaatg ggagttcttt atgtttctta 120

tcctagaagt ttctgcgatg atcattactg ctgcaacggc tgtcataaga gtagcaggtg 180

atccaggctc tccagcatcg tttggtggat ggcttaacta ttcagctacg aaccatcctt 240

gggtggtgtc ttttgttata atg 263

<210> 10224
<211> 300
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189091a11b1

<400> 10224

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cgacgccatc ctcctcctcg agcaccaccg ccttcttctt caacttcgtc gtcgtcctat 180

gctttgaccc ctccccgagc atgctcttgc acaactacag gtccgatgac ggatcccagg 240

agccagaaga cgccactgat gactactagt acccggagga tgcctactac tacgtgaaga 300

<210> 10225
<211> 408
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189091b01b1

<400> 10225

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tgctcctgct ctgcggggac tacatggagg actacgaggc catggtcccg ttccagtcgc 180

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actttgcact taatgcttca ttcgatgaga ttgacgctgc tgggtatgat ggattggtga 360

ttcctggagg ccgtgcacca gagtaccttg cgatggatga aaaagtgc 408

<210> 10226
<211> 379
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189091b02b1

<400> 10226

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ggatcccatt cggtccggac ttaaacctaa tcttgagaag cctgagggga atcctaatgg 240

agaagctggt cttaacccga ttgataagaa actgaagatg agagcaagga gggtgctcgc 300

aaagcttgct gagaaaagaa aatcagctgc agaatttgca cgctcagaaa gaagcttgga 360

tggtattgac atgacatgc 379

<210> 10227
<211> 407
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189091b03b1

<400> 10227

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ggcgcccagc ggagacaaca ccgtggccaa cgtccacagc ggcatcgaca gcaccaacaa 120

gacgctgctc aagagcgacg ccctctacac ctacatcctc gacaccaccg tgttcccccg 180

cgagcacgag tgcatgcgcg acctgcgcct catcacggac aagcacccat ggggctacat 240

gcagtcgtcc tcggacgagg cgcagctgct ggggatgctg atcaagatgg cgggcgccaa 300

gaagacgatc gaggtgggcg tgttcacggg ctactcgctg ctggccaccg cgctggcgct 360

cccggaggac ggcaaggtgg tggccatcga caccgaccgc gagtgct 407

<210> 10228
<211> 245
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189091b04b1

<400> 10228

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ggtgccgagc ggagacaaca ccgcggccaa cgcccatagc ggcatctaca gtaccaacaa 120

gacgctgctg aagagcgacg ccctatacac atacatcctc cacaccaccg cgttgccccg 180

cgagcacgag tgcatgcgcg acctgcgcct cattacggac aagcacccat ggggctacat 240

gcagt 245

<210> 10229

<211> 360
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189091b05b1

<400> 10229

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cctcggctcc gtccccaacc tcgtcgtgtc gtccccacga gccgcccagg cggtcatgcg 180

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gctcgtcacc acgcacctct tcacagtcaa aaaggtccaa gtcgttccgc atcgcccgtc 360

<210> 10230
<211> 367
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189091b06b1

<400> 10230

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tccagcctcc cgcttcgcat tcccttgcgt gaggccatgg ccgaggtccc tggagctgcc 180

ggcgccctcg gctccccgcc cagggaggtc gtggacgccc cagagcgcgc ggctgctctt 240

ccctccgcgg ccggcgagct cggctccgcc gacgatgctg ataaggaggt tcctggaggt 300

tcggaggtca gcggcgctct tggcaccgac aaggcagacg gtctgtgttc cggcgccgag 360

ctcgaat 367

<210> 10231
<211> 362
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189091b07b1

<400> 10231

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ggcggagcta gcagaggaca tggtgaagtt ctcgcgggag tacgaggcca gcatcatccc 180

cgagtggaag ggcgccttcg tcgactacaa gtgcctcaag aagctcatca agaagatcaa 240

ggtcgcacgg cgcgacgccg agtccgaagg ggactcctcg ccggagagcg ccgccctcgc 300

cgccggcgtc gagagcgccc gctatggcgc cggcttctcc gtgctcgacc ccgtccgcgc 360

cc 362

<210> 10232
<211> 444
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189091b08b1

<400> 10232

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cgatgctctc ccttctgctc gcgctcgcgc tgttcgccgg gggtgccagc gggcagccgc 180

cggtgccgcc ggagatgagg ggcgtgcagg cgcagctcac ggggctcacc aacgacgtcg 240

cccacaccat ctccgaccgc ttcagcttct gcgtctccga cacgcaggag gactggaacg 300

gggccttcaa ctactcctcc gacctcggct tcgtgcagcg ctgcctcgcc gacaccagag 360

gtgacatgcc gcagcgctta tgcacgccgg cagaagcgaa gttctacttc acaagcctgt 420

acaacccgaa aggcgagaaa aacc 444

<210> 10233
<211> 433
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189091b09b1

<400> 10233

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tcccggcctc tctcccatct tcctccggca gctccggccg ccggcaggga gggggagagg 120

ggtggggcca aatactgtgt attttaggtc gcttgctttc ttgtttattt tgtaggttcc 180

tcgtatcgca ggagatggca agctgcatcc ggtgcttgct ggcagcaata gtccttgcta 240

cggtgctcca agggctggag ctgaagttga gggctggatt tgctgctgct gtttccaata 300

agaagcttgc caagtccctg atctggaggg cagccttctg ttggctctct gctcgtcaaa 360

tcaccatggt ggtggatggt gacagaggag gaagcagacg actgaagcta tcagatcggg 420

tccgagctca tag 433

<210> 10234
<211> 399
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189091b10b1

<400> 10234

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ggcggggctg ctcgcagcga accctagccg ccgcccgccc gcctccagcc ggcgccggcg 180

cgacggtcgg cgggagatct cgacgaggga gatccagcag ggccatggcc agctccggca 240

tcgcctaccc cgaccgcttc tacgccgccg cggcctacgc cggcttcggc gccggcgccc 300

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caccagcagg cgacggtcgg gccctgcaac gtgcccaag 399

<210> 10235
<211> 392
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189091b11b1

<400> 10235

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atgatatgat cattccaatc gaggaggagt cgtcaacgat gaacagtcac caagcatctc 180

aattacctgc gttctcgggc gcgtattcct cggctcaggt gagggaggtg attgaggaga 240

gcgaattgga ccaggacagc tcagatagag atggtgccag cacgatttac gaggagaatg 300

agagtgtgtc cgttggggag gtgatgaaga gcccagtatt cagcgaggat gaaatgtcag 360

aaggctcttt ctgggttgat ctgggcaata gt 392

<210> 10236
<211> 232
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189091b12b1

<400> 10236

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catacttcaa tgactcgcag aggcaggcta ccaaggatgc tggtgtcatt gctggcatca 120

atgtccttcg tatcatcaac gagccaacag ctgctgccat tgcttatggt cttgacaaga 180

aggcttccag tgttggtgag aaagaatgtc ctcatctttg atcttggagg gg 232

<210> 10237
<211> 420
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189091c01b1

<400> 10237

ttcccctccg cagcctgcac tgctccccca ttgttttgtg tcctgagcca tggctgccaa 60

gctgactcgc ctccacagcc tcagggagcg ccttggtgcc accttctcct cccaccccaa 120

tgagctcatt gcactctttt ccaggtatgt tcaccagggc aaaggcatgc tccagcgcca 180

ccagctgctc gctgagtttg acgaactgtt cgaatccgac aaggagaagt atgcaccctt 240

tgaagacatc ctccgtgctg cacaggaagc aattgtgcta cccccatggg ttgcacttgc 300

catcaggccc aggcctggtg tctgggacta cattcgggtg aatgttagtg aactcgctgt 360

tgaagagctg actgtttctg agtacttggc attcaaggaa cagcttgttg atgagcatgc 420

<210> 10238
<211> 475
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsrow189091c02b1

<400> 10238

tccacgcgtc cgagctcgct cgcatcagca aggtggggat tattttgccc agagagctcc 60

ggggccatga ggccgatgca tctcttgggg gtcacttgcc tatggatcct ctcatgcgcc 120

ttgctgctcg gcggcgcttg ctccgatggg ttgctgagga tcaacctgag caagaagagg 180

ctggacaagg aaaccctagc agccgcaaaa tcggcgaggc aggagaccaa cctgctgagg 240

cccgacgatg gatctcgcca ctctctcggc ctgtcagacg atgacatagt tcctctggac 300

aactacctag acacccagta cttcggagag atcggcgtcg gcacgccgcc gcagaacttc 360

acggtcatat ttgacaccgg gagctcaaac ttgtgggttc cgtcgtcgaa atgctacttt 420

tcgatagcat gctacttgca ccacanatac aagtcgacca aatcgaccac ttaca 475

<210> 10239
<211> 482
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsrow189091c03b1

<400> 10239

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gttgccgaga tcctcaagga tcgcccctct tggtatcgtg actgtcggtg tgtggatgtg 120

ctccagatta tccctacggg taatggtgga actattgagc ttatctacat gcagacttat 180

gcaccgacaa ctttggcggc accgcgtgac ttctggattc tccgctacac tagcggtctt 240

gaagactgca gtcttgtgat ctgtgagaga tcgttgactc aagccactgg cggtccatca 300

ggacctaaca ctccaaattt tgtccgagcc gaggtgctac ctagtggcta tttaatccgc 360

ccttgcgagg ggggtggctc catgatccac attgtagatc atgttgattt ggatgcttgg 420

agtgtgcctg aggtccttag accactntat gagtctccaa agattcttgc gcagaagatg 480

ac 482

<210> 10240
<211> 470
<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189091c04b1

<400> 10240

ataccctcgc cgtctcctct cccacgaagc gcagcccgtc gagatggcct ccgaggcggc 60

gaaggtggcg gtgcccgaga aggtgatcct aaagaggagg agggaagagg tctgggccgc 120

cgagaagaag cagaaggttg ccgccgagaa gataaaggcc gccgagaaca ccaaggtcat 180

ctacgcccgc gcggagcagt acgccgggga gtatgaggcc caggacaagg agctggtgca 240

acttaagcgt gaggcccgga tgaagggtgg gttctatgtc agtcctgagg caaagctgct 300

gtttgtcgtc cgtatccgtg gtatcaatgc aatgcaccca aagaccaaga agatcttgca 360

gcttttgcgt ttgaggcaga tttttaatgg tgtgttcctt aaggtcaaca aggccaccat 420

taacatgctg cgtcgggttg agccatatgt tgcctacggg taccctaacc 470

<210> 10241
<211> 383
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189091c06b1

<400> 10241

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gagcggcagc ctcggccgca gctggccgtg gcggaggagg ccatcgcgct ctacgacacc 120

tactggttcc accgcctcgt cctcaacgcc tactcccctc ccgcgcccca gccgccgccg 180

ccggcgcctg agcgcgagca gccggagcag gcgccggcgg aggagagcaa gagcgagctg 240

cggcgggccc cgtccgggct gcagcggcac cgcaggacgc ggagcgacga ggccaaggcc 300

gccgcgttcc acggccagct ggagccgctc aagatcccca acggccaccg cgcgaggctc 360

gagaccatcc tgtccgggaa gga 383

<210> 10242
<211> 446
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189091c07b1

<400> 10242

tcacgcgtcc gacgaatcat tgatgatgac atgcccctgg cccaatttgc tgttgccttc 60

aatggagcat cctggacaga tcctgattct attgcattaa tggttatgca aactatgctt 120

ggttcgtgga acaagagtgc tggaggaggg aagcacatgg gttcggagct tgtacagaga 180

gtagcaatca atgaaatagc tgagagtata atggcattca atacaaacta caaggacact 240

ggcctgtttg gtgtctatgc tgtcgctaag gctgattgct tggatgattt ggcttttgca 300

attatgcaag agatgagcaa attatcatac agggttaccg aagaggatgt tattcgtgca 360

cgcaatcagc tgaaatcctc catccaactc caccttgatg gctccactgc tgttgttgag 420

gatattggac gccagcaact catcta 446

<210> 10243
<211> 454
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189091c09b1

<400> 10243

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cgccgccgtc gtcccggccc acgcggccac cgagaagacg aggacggagg ggggcgaccc 180

tgtcaccggc cacatcatct ccacaaccat cggcgggaag aacggcgagc cgaagaggac 240

aattagctac atggctgagc gggtggtagg aactggttca tttgggattg tcttccaggc 300

taagtgcttg gagactggag agactgttgc catcaagaag gtgctgcagg atcgccgtta 360

caagaaccgt gagctgcagc ttatgcgctc catggaccat cccaatgtcg tctttctgaa 420

gcactgcttc ttctcgacca caagtaggga tgag 454

<210> 10244
<211> 424
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189091c10b1

<400> 10244

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gtggtttatc actccaacga gccgctgcca gcgttcaagg acgtgccggt ctcggagaag 120

cagaatctgt ttgtcagaaa ggccaccctg tgctgtgctg tgtacgactt tgccgatccg 180

accaagaacc tgaaggagaa ggaaatgaag cggcagacgc ttatggagct tgttgattat 240

gtcacttctg caaatggaaa gttctcggaa atcatcatgt tagagatcag caagatggtt 300

gcaattaact tgttccggag ctcgaatccc actcctcgtg agaacaaggc catcgaagga 360

gttgatatgg aggaagaaga gcctctcatg gatccagcat ggtcacacct gcagatcgtt 420

tatg 424

<210> 10245
<211> 322
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189091c11b1

<400> 10245

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cgatggaaac cacctaccaa tcaaacttaa cattcctccc gtggatgcga gcgaggattc 120

gatggagagc tccgaggaga tggtgacgcc gagggcggag gcggccgagg aggaggagaa 180

gaagggcgcc acgtcggagg tgccggtgga gcgcgccgtc gaggtcgctg atgagggcgc 240

cacgggggag gccggggagg aggtcatggt tgacgcttta ccgcctgaag ctgctgaccg 300

ggagcaagag ggtaaggtgg at 322

<210> 10246
<211> 466
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189091d01b1

<400> 10246

acgcccactc gtccgctcct ctttccctcc caagcaaatc ctctgcgctc cccacgcctc 60

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aggcgccgct gctgctcagg atcaacaccg ccagaggcgg ccacatgggc ggaggcgagt 180

gcgacgaggc cgagaaccag cggtggccgc cgtggctcaa gccgctgctg gcgaccagct 240

tcttcgggca atgcaagatg cacgcggacg cccacaagtg cgagtgcaac atgtactgcc 300

tcgactgcat caacggcgcc ctctgctccc agtgcctcgc ctaccaccac ggccaccacg 360

ccatccagat aaggaggtcc tcctaccacg acgtgatccg cgtgtcggag atccagaagg 420

tgctggacat aaccggcgtg cagacctaca tcatcaacag cgcgcg 466

<210> 10247
<211> 492
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189091d03b1

<400> 10247

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cgagaagaag cagaaggttg ccgccgagaa gataaaggcc gtcgagaaca ccaaggtcat 180

ctacgcccgc gcggagcagt acgccgggga gtatgaggcc caggacaagg agctggtgca 240

acttaagcgt gaggcccgga tgaagggtgg gttctatgtc agtcctgagg caaagctgct 300

gtttgtcgtc cgtatccgtg gtatcaatgc aatgcaccca aagaccaaga agatcttgca 360

gcttttgcgt ttgaggcaga tttttaatgg tgtgttcctt aaggtcaaca aggccaccat 420

taacatgctg cgtcgggttg agccatatgt tgcctacggg taccctaacc tcaagagtgt 480

cagggagctg at 492

<210> 10248
<211> 440
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189091d04b1

<400> 10248

ctcattgaat ttttttcctc cggtctcacc gagaaacctc cgatccaagc gaagccaagg 60

ttctctcctc ctcctcctcc tcaagatgca gatctttgtg aagaccctca ctggtaagac 120

catcaccctc gaggtcgagt cttatgacac gatcgataat gttaaggcca agatccagga 180

taaggagggc atccccccgg accaacagcg tctcatcttc gctggcaagc agctcgagga 240

tggccgcacc ttggcgacta caacattcag aaggagtcca ccctccacct ggtgctcagg 300

ctccgtggtg gcatgcagat ttttgtcaag acactgaccg gcaagaccat caccctggag 360

gtcgagtcct ctgacaccat agacaacgtc aaggcaaaga tccaggacaa ggagggcatg 420

cccccggacc agcagcgtct 440

<210> 10249
<211> 453
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189091d05b1

<400> 10249

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tgtctatcat ggtccatcag ttgggactaa ccaggacata agcaacagtg aagcaaactt 120

gctagaagca aatgctgctg acggtggaaa gagctctcct gcaacttcaa cgttgacatc 180

ttttgcacat cgtgatgggt ctctgcctgc agaaccaaag gtccatgcag ctcgaaccga 240

ccaaatttgg tcaattacta agctgtccgt aaaaacatcg tcagtggatg gaaatggtgg 300

caattcatcc tgcatggctg atgcttgcaa tgaaattagt tcctgcaatg cttcacccat 360

ggaatatagt ggcaattctg attctgattc tgaaatcttc cgagtcaagc gcagatccag 420

catattagga agacctgctc ctgacacaga gac 453

<210> 10250
<211> 470
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189091d06b1

<400> 10250

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tgtctatcat ggtccatcag ttgggactaa ccaggacata agcaacagtg aagcaaactt 120

gctagaagca aatgctgctg acggtggaaa gagctctcct gcaacttcaa cgttgacatc 180

ttttgcacat cgtgatgggt ctctgcctgc agaaccaaag gtccatgcag ctcgaaccga 240

ccaaatttgg tcaattacta agctgtccgt aaaaacatcg tcagtggatg gaaatggtgg 300

caattcatcc tgcatggctg atgcttgcaa tgaaattagt tcctgcaatg cttcacccat 360

ggaatatagt ggcaattctg attctgattc tgaaatcttc cgagtcaagc gcagatccag 420

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<210> 10251
<211> 256
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsrow189091d07b1

<400> 10251

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ccggggataa aatttgtcat atagtttgta gtttgtgttt tgttctcgag tttttctctt 120

cattctcgtc tccggttctg caacagtgta aattaccaaa gtggttccgt cgctgtcttt 180

acaatgactg attaagctag cattgcggaa acataatgta tggaataaat catcttattg 240

agcatgttct tgcnct 256

<210> 10252
<211> 278
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189091d08b1

<400> 10252

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cggggataaa atttgtcata tagtttgtag tttgtgtttt gttctcgagt ttttctcttc 120

attctcgtct ccggttctgc aacagtgtaa attaccaaag tggttccgtc gctgtcttta 180

caatgactga ttaagctagc attgcggaaa cataatgtat ggaataaatc atcttattga 240

gcatgttctt gcactcaacc atacatatag aagaaact 278

<210> 10253
<211> 524
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189091d09b1

<400> 10253

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tggtttatca ctccaacgag ccgctgccag cgttcaagga cgtgccggtc tcggagaagc 120

agaatctgtt tgtcagaaag gccaccctgt gctgtgctgt gtacgacttt gccgatccga 180

ccaagaacct gaaggagaag gaaatgaagc ggcagacgct tatggagctt gttgattatg 240

tcacttctgc aaatggaaag ttctcggaaa tcatcatgtt agagatcagc aagatggttg 300

caattaactt gttccggagc tcgaatccca ctcctcgtga gaacaaggcc atcgaaggag 360

ttgatatgga ggaagaagag cctctcatgg atccagcatg gtcacacctg cagatcgttt 420

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acatagacca ttccttcatt ctcaagctac tagatctttt tgac 524

<210> 10254
<211> 490
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189091d10b1

<400> 10254

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gtcggcccgg gcatggacat gccgatcatg cacgacagcg accgctacga gctggtgcgg 180

gacatcggct ccggcaactt cggcgtcgcc cgcctcatgc gcgaccgccg caccatggag 240

ctcgtcgccg tcaagtacat cgagcgcggg gagaagatag acgagaatgt ccagcgtgag 300

ataattaacc atagatcact gaaacatccc aacatcatta ggtttaagga ggttatttta 360

acaccgaccc atcttgccat tgtcatggaa tatgcatctg gtggtgagct ttttgagaga 420

atatgtaaaa atatacgatt cagtgaagat gaggctcgct acttcttcca gcagcttata 480

tctggagtca 490

<210> 10255
<211> 455

<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189091d11b1

<400> 10255

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cctccaggcc gtcctggtca tgggagtcct ctcgcacgtc aacgccgact tcttccccaa 120

gtgctgcaac aactgcaggt ccttctcggg ggtcgacgtc tgcgacgacg cccaccccaa 180

gtgtcccaag ggctgctcgg cgtgccgcgt ggtgtcgacg agccccgaaa tgtggcgctg 240

cgcggatatg aaatccaccg tcgacggcac ctgcggtgga ccctgcaaga agtactgatc 300

ggttcatgcc ggcatatgat atgttccgcc taaggccccg cttggatcgt cggtttgctc 360

ctaaatacac ttgtaaccaa aacagacctc gagccgtcgt tttcaatcta ggcggaaata 420

acactgcgac cggtaaaata cacttgtaga ttaaa 455

<210> 10256
<211> 404
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189091d12b1

<400> 10256

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gttgcaggac ttcttcaacg ggaaggagct ctgcaagagc atcaaccctg atgaagccgt 120

tgcctacggt gctgccgtcc aggctgcaat cctcagtggt gaggggaacg agaaggtgca 180

ggaccttctc ctccttgatg tcaccccact gtctcttggt cttgagactg ctggaggagt 240

catgactgtg ctcatcaccc ggaacaccac catccccacc aagaaggagc aggtcttctc 300

cacctactcc gacaaccagc ctggtgtgct catccaggtt tttgagggtg agaggacaag 360

gaccagggac aacaacctgc ttggcaagtt tgagctctcc ggca 404

<210> 10257
<211> 474
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189091e01b1

<400> 10257

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aagtacccac atactaagat cattgtcgtg gagtactaca aacccttcct tgcattttta 180

gatatgccag aacattttgg actgaatagc agcacaaccc tcctcacctg ttgtggtgca 240

ggaggccctc cttataacta cgacttcaac gcagggtgcg gcctgccgag tgtgacagca 300

tgcgcaaatc cataccaagc gcttcagtgg gatggtttcc accttacgga gtccgcctac 360

aggaccgttg ccgatggttg gctccatggc ccctacgccg atccaccaat aatgcacgtt 420

gcacgctagt acacccgtag tttgtttctt actggcctaa aacgccatat gtac 474

<210> 10258
<211> 288
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189091e02b1

<400> 10258

tgaactctag ctaccccgcc cccacctcga cgcatgccct ctctccccca ctatcttcgc 60

cgtcgccgcc acctcccccc ccggcctccg tccgcgaggg aggccccgtc cctccccgct 120

ccgcgctcca gtatttcttg ccgggagcag cgacggtatg ccggcggccc aatcgagcgg 180

gagagagggg atcaggacag cgggcggggg aggaagagcg aggtcctcga gcggagcact 240

gcagagggcg aggaggagca ggatggtttc gctgtcgacg tggttccg 288

<210> 10259
<211> 493
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189091e03b1

<400> 10259

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gaaggatggc gccgagatgg aggaggggac attggagatt ggcatagagt ataggactgt 120

ctccggtgtg gcagggccgt tggttatttt ggacaaagta aagggcccaa agtatcagga 180

gattgtgaac atccgattgg gagatggcac cactcgtcgt ggtcaagtcc tcgaagtcga 240

tggtgaaaaa gctgttgtgc aggtatttga aggtacttca gggatagaca acaagtatac 300

tactgtgcag ttcacaggcg aggttttgaa aactcccgtc tcacttgata tgcttggacg 360

catttttaat ggctctggaa aacctattga taatggcccc cctatattgc ccgaggctta 420

cttggatatt tctggaagtt ctatcaaccc aagtgagaga acctatccag aagagatgat 480

tcaaacagga ata 493

<210> 10260
<211> 415
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189091e04b1

<400> 10260

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atccgagctt cggttggggt gggttcgccg attgatgcct gtgaggcaat ggcggtctcc 120

tcgccttctt cagctccgga gaagaagagg aaatggctcc aaagcaacag gaaggtgatc 180

gacaggtacc ttcgggaggc gcgggcgatt ctcgcgacgg cgccggatac cggcggcggg 240

gacgctgtgg cggcgctcgg tctcatcgac gccgcgctgg agctttcgcc gcggatggag 300

gccgcgctgg agctgcgggc gcgggcgctc ctcgcgctgc ggcggtaccg cgaggtcgcg 360

gagatgctcc gtgactacat ccccagctgc ggaaaatcct gctccggcga ggatg 415

<210> 10261
<211> 272
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189091e05b1

<400> 10261

cccaggtccc aaccaccacc ggaccgtcgc tccgtcgtcc agatctcgcc cgcgcgcgcg 60

atggccgtcg gcgaccccat gccggtcgcg gagcccgcgg acggcgacga gatcgtctac 120

gagtacatgc cctgcatccg tatctacaag gaccgagtgg agcgctactt cggctccgag 180

ttcgtatacg cctgcggcga caccgactcc ggcaccgggg ttgcctaccg tgaccgagtg 240

atctcccccg aggtctatgc gcgcctatac ct 272

<210> 10262
<211> 471
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189091e06b1

<400> 10262

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tgtgcacgca tccggccttc ggacgcccgc ggtctactgt gtggggccac tgatcaagtc 120

ggaggatgtg ggcgtgaagc gcggtgacga gtgccttgcg tggttggaca cgcagtctaa 180

gggcagcgtg gacttcctct ccttcggcag ccttggccgg ttcagtgcca aacaaacaag 240

gaaggtggcc gccgggttgg aagccagtgg acagaggttc ctgtgggtgg tgcggagccc 300

gccaagcgcc gactcgtcga agaactgcga gaagccgcca gagccggact tggatgccct 360

tctccacagg gattccttga gcggacccag ggcaggggcc tcgtagtgat agtcatgggc 420

gccacaacgc gacgtgttgg cccatgatgc ggtgggctgt tttgtgacac a 471

<210> 10263
<211> 437
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189091e07b1

<400> 10263

gtgatgaaga agattccgat gatgaagaag aggaggaaat tggtgagatg ccttcacctg 60

aaagacgcat tcaaggggtt gaaccagggg aagaggctga gctagcaagg gtgaccgaag 120

aagcgaggga ggcttgcaag tcaaaacgat cagctggacc acttccagat gaggcagatc 180

acccatctca gtttattcgt gacatagctc gcgatgtgcg ctcaaagagg aagatggtca 240

aggtttcaag tcttgtgagg aggaataggg tgaagaaagg taagttggtt gttctggatg 300

aagaggggga agcttcggaa agtgaagatg atcaggaaga agacaaagaa agtggtgatg 360

aagaagattt tgatgatgaa gaggaggagg aaataggtgg ggtgccttca catgaaagac 420

gcactcaagc ggttgaa 437

<210> 10264
<211> 455
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189091e08b1

<400> 10264

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gagtggccta agcaggacaa aaagaggatg ctgcatgctg tttaccgtgt gggagatctc 180

gaccgcacaa ttaagtgtta cacagaatgc tttgggatga agctgctgag gaaaagagat 240

gtccccgaag agaagtacac caatgccttt cttggatatg gacctgagga tactaatttt 300

gcacttgagc tgacttacaa ttatggtgtt gacaagtacg acattggagc gggctttgga 360

cattttgcca tcgcaaatga ggatgtgtac aagctgtctg agacaattaa atcatctgat 420

tgttgtaaga tcactcgtga acctggtcct gtcaa 455

<210> 10265
<211> 422
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189091e09b1

<400> 10265

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cgttgaggct gcctggctgt cgatgttctc tccatggatt gcttcgatcc cagttgcctg 120

ccacgcgaaa ggtatgtggt cttcgttgtg tccaccatgg ggcaggggga ccccccagat 180

tccatgaagg atttttggac ataccttacc agaaagtctc tgggtgcgcg atggctggaa 240

gggctatttt atgccgtgtt tgggctcggc gattcaacct atgggaagta caattatcct 300

gcaaagaagc tcgatcgaag gcttttcaat cttggtgcaa aaagaatcac agaaaaaggc 360

ttgggagatg atcaacattc atctggatac gaaggagctc tagatccgtg gttgctgatt 420

tt 422

<210> 10266
<211> 417
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189091e10b1

<400> 10266

cgcctcagct cacgcatctc tccctcagct ccggcaagca acaccagctc tcctctcccc 60

tcgcttccct gctgcaatgt cgaccgacgt ggccgccgat gtcccggccc ctgaggtgga 120

ggtgaccgcc gaccccgtcg tggagaccac ggccgaggcc gccgccggcg acgcgaagcc 180

ggccaaggag accaaggcca aggcggccaa ggccaagaag ctcctccgcc ccgaggaagc 240

cccgcgctac ccccgcccac ccgacctacg ccgagatggt ttcggaggcc atcaccgccc 300

tgaaggagcg gacggggtcg agccagtacg ccatcgccga gttcgtcgag gacaagcaca 360

aggcgcacct ccccggcaac ttacgcaaga tcctgtcggt gcagctcaag aagctgg 417

<210> 10267
<211> 492
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189091e11b1

<400> 10267

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ttgggttgca agaagcgcgg ggaagacgcc ggagatgggt tcttgcgcgt cggtccacaa 120

ggacgacgtc gggctgccca agaagcagca gctgctcgcc tcctcgccgc cgcccaagga 180

cggcaaggcc gtcgacggcg cccccgtcgg cgacgtcctc gtcgacctca agcgcaagat 240

cgagggcttc ggccccagca ggacccctga caccggtagc aaggatgaga tgttcttcga 300

gtctcaaccg tggttagatt ccgactgcga ggacgacttc tacagtataa atggagattt 360

cactccgtcg cgcggcagca ctccggtcca tcaacccagg gcgcagaccg tgatgagcag 420

cgtatttcta cctgacaacg ccgtgcagag tcccaattca tcggaggctt ctccaactgg 480

acggagaaaa ta 492

<210> 10268
<211> 436

<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189091f03b1

<400> 10268

gtggatttcc agaaatccgc ctagctctga atgaggattt aggcattgga aagaatagct 60

cttctacaca tgattacaga agttcttctg gaggaggatc agttgttctt gatgattgta 120

acttccatga gtcagtgcag cttgacagtt ttgacattga cagaactctg catttaatac 180

cacctgatgg agaatttcca gtgatgaact accggatgac tcaagaattt aagccgccct 240

tccgtgtcac cgcactaatt gaagaagctg gtccatctcg ggctgaagtt ctattgaaaa 300

tacgggcaga ctttcctgcg aatgtgactg ccaacacaat cacagtacaa atgccagtgc 360

cctcttacac aatgagggca agttttgaac tggaagctgg agcagttgga cagacaacgg 420

attttaaaga aggaac 436

<210> 10269
<211> 370
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189091f04b1

<400> 10269

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ctggactgag gcgaccagga gtatcagcaa ctgcgagcaa ttcatttatc cgtggaattg 120

ggataacgag aagtgataat agcttaattc gtgttgaccg tcttgaatat catatcatag 180

aagaactgaa taaaacagct tcttgaacca tggtggtttt gcatgcttta aaggttgtaa 240

taactaactt ggaagatgga aaagacatag accttgatgg aaaaaagtgg cctgatgctc 300

ctgctgatga agcttctgcc tactacaagg ttcctttctc aaaaaccgtc tacattgaaa 360

aaactgattt 370

<210> 10270
<211> 460
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189091f05b1

<400> 10270

gcaggcatgg cttgctgcgg caaaataccc accgccgccg cccccgtcgt ttgagctgcc 60

ggagtccgag gtgagggaga ggttctccaa gtgggtgatc aagtactcaa agcactactc 120

gtgccatgag gaggaggaga tgcggttcca agtcttcaag aacaacacca acgccatcgg 180

ccaattcgac caacagaatc ctggcaccgt cgtcggtcgc gggttccgac caactgggtt 240

tcaggtccgt ggctcgggcg gggtccgtat gaacaggttc ggcgacctca gccccaggga 300

ggtcatccag cagttcaccg ggctcaacac caccagcttc aatgccacgt cacccaccta 360

cctaccctac cactccttca agccctgctg cgttgactgg cgctccagcg gcgctgtcac 420

cggcgtcaag aatcaaggca cttgtggatc atgctgggca 460

<210> 10271
<211> 255
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189091f06b1

<400> 10271

ttacgttttc ggtttagtaa tataatgctt attgcattac ttgtggccca atatgcattg 60

ctagggtcag gactactgca aaaatatgtg ttttcaatta tgttgcaatg ctcacttgtt 120

gtgtgtatgg ccgcattcat aagaggcgtg atcaagcatt ataagctcac aacatatgta 180

ttcatatttc accgcatgat tggaaatata tggaataagc agtttttatc caactaaaaa 240

aaaagtacaa tagat 255

<210> 10272
<211> 410
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189091f07b1

<400> 10272

tcacgcgttc ggccacgcgt tcggcgaggt cttcttcctc ccttcctccc cctagcaaaa 60

ggctgggcct caactcctca tagcccagcc atggagtttc ttccttgtga agatggagtc 120

catcttcatc atgccacaag gcaaacttgg tccttgctcc acatgagaac aagagccttt 180

ggtcggtcct ccacctcaga acagaagaaa ggtgctaatt gtttcttccg cacaatatag 240

aagccagtcg tgcgactggc ttctatcttg gtcgagagaa gtaaaattag gttggtccag 300

gccttcaatc aatcctcaag tatataatgg tcagtatttg atgtcgattt ggttttatat 360

tgcatcaaaa ggtaaaggct tctcctggat ttcggtctgg gtggttttgg 410

<210> 10273
<211> 350
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189091f08b1

<400> 10273

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ggttgctagg tggatgaaca gtcactcgac catggtggta ccgtcggtgt tcgccgcctt 120

ctacaaggac ggcgaccgca aggtgtccgt gtccgagctg cgctgctgca tggcggcgtc 180

cttgggcgag gacatatccg aggaggaggc ggccgtggtc ctcgcggcgg cggatgccga 240

cggtgacggg ctgctaaacc aagaagagtt ctcgaggcta gccgccggtg cccatgaaga 300

ggacgacgtg aggcgaagat gcctgaggga ggcgttcggg atgtacgcgt 350

<210> 10274
<211> 342
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189091f09b1

<400> 10274

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aatggttcct gacccggtat ggctggccgg catccagatc tcgtcaacga gcccttcatc 180

ggccacattg agtctgatgt cctccaaccc attcagcgtg ttcaaagaag ccatccttgg 240

cggcggttca tcaaggatgt gcacgcccgg gcagagcggc acgtgctcgc cggtgatccc 300

tggcatggcg cggcacccgg acgttcacat gatggacgtg gt 342

<210> 10275
<211> 440
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189091f10b1

<400> 10275

tcaaaaccaa gagacaaacc tctcctcctc ctccttcttc ctcctcctca tcctcttggg 60

tggatctcat cttcagatca catccaagca gcgcaagcaa gagaggagac gcgctccacc 120

gtcggcaacc aaaccaggca aagggcggcg atgacgttcg acaaggtgga ggagctccgg 180

ccgggcacct acggccacaa cctccagctc cgggtgctca gcgccaagcc cgtcgtcctc 240

cacaggccgc agggcggcag ggccggcggc aacatgcgca tcgccgagtg catcgtcggc 300

gacgacaccg gcgtagtcgt cttcaccgca cgcaacgagc aagtggacat catgaagccc 360

ggggcagtcg tggaggcgag gaaggcgagg gtggacatgt acaaggggtc gatgcgcctg 420

gcggtggaca tgtgggggac 440

<210> 10276
<211> 439
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189091f11b1

<400> 10276

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cgacatagtt gtagactctt cttcgggacc aacgcacgaa gcagagctcc tgatggatgt 120

agccatgatg gtgatgacca atggccggca gcgagatgaa actgactgga gcgagatatt 180

caccaaggca ggattcagtg actacaaact tgtgaagaaa ctgggagctc gaggtgtctt 240

tgaggtctac ccgtgagaca ggcccaaaaa tacgtattat aatttgtggt ttggttcaga 300

agatgtgctc tatggggact gtcttacttt gtcaggtacg tttcaaggag gatacaaggt 360

actagcgagc atatggagtg ctatgcatat gggtgtcatg cattcttggt aactttccga 420

tcggtaaaat tttcattcg 439

<210> 10277
<211> 335

<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189091f12b1

<400> 10277

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atcgccacac cccgcggctc ggcacgggca cggcacagat ctccccactc caccccgccg 180

ggtagcgcgc ggcggccgaa gcacgcgagc gagcgagccc tttccggccg cctacgcctc 240

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cgccgctgcg ctcggcgcgc ctgccctacc acaag 335

<210> 10278
<211> 380
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189091g01b1

<400> 10278

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cggccggacg agctggagcg catccaggcg gcgggcgggc gcgtcatcta ctgggacggt 180

gcccgggtgc tcggcgtcct cgccatgtcc cgagccatag gggatggcta cctgaagccg 240

ttcgtgacgg ctgagccgga ggtgaccgtg acggagcgca gcgacgccga cgagtgcctg 300

atcctggcca gcgacgggct gtgggacgtg gtgaccaacg agatggcgtg cgacgtcgcc 360

agggcgtgct ttcggagcaa 380

<210> 10279
<211> 402
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189091g02b1

<400> 10279

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aagtggttcc ttacaaccgc atccggcctg cagacccatc agtatcctcc tctcctcctc 120

ttgctcagct ctgcagcctt gccttcataa aggtgcctgg tctggaggat gataatggtc 180

aggaagcagc agagtatctc agcgaatgct tgctgagcag ttcaaaacaa taccgggcaa 240

tgatcgaaga gcgcgacact actggtggta aagtgaaggg acaaggcact ggacctgtac 300

tcattgtgac tcttgttgat ccagagacag aatccagcat caatgctgcc atgctcgagg 360

aagggcttgc ccgacttgaa aggggcaaga gatgggacac ca 402

<210> 10280
<211> 393
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189091g03b1

<400> 10280

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gccggcctcc agttccccgt cggccgcatc gggcgcttcc tcaagaaggg ccgctacgcg 180

cagcgcgtcg gctccggcgc ccccgtctac ctcgccgccg tcctcgagta cctcgccgcc 240

gaggtgctgg agctcgccgg caacgccgcc aaggacaaca agaagacccg catcgtgccg 300

cgccacctgc tcctcgccat ccgcaacgac caggagctcg gcaagctgct cgccggcgtc 360

accatcgcgc acggcggcgt gatccccaac atc 393

<210> 10281
<211> 485
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189091g04b1

<400> 10281

atcaacaagc tggaaggcaa ctacatctac gcttcgagga ccctgctgtt cctgaaggcc 60

gacggcacgc tgaagccctt ggccatcgag ctgagcctgc cgcaccccca ggggatgcag 120

cacggcgcgg agagcaaggt gtaccttccg gctggtattg agtctggtgt tgatggccag 180

atctggcagc ttgccaaggc ttacgcctct gttgacgact ccgcatggca tcagcttatc 240

agccactggc tgaacacgca cgcggtgatc gagccgttcg tgattgcgac gaaccggcaa 300

ctcagtgtgg tgcacccggt gcacaagctg ctgagcccgc attaccgcga cacgttgaac 360

attaatgccc tggcgcgaac cactctcatc aacgccggtg gcgtctttga gatgaccgtc 420

ttcccggaga aatatgcgct tgagatgtct tccatcgtct acaagaactg gaagctcacc 480

gagca 485

<210> 10282
<211> 453
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189091g05b1

<400> 10282

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caacggtggt ttcactgcta acggtacggt tgccaagggt ggccaggaga atggtgctgt 120

taaggacagt tctcgcgccg cccgggctgt tgttgttgac aatgatggca aggagaacgg 180

ggaccccaac gacggggcct tcgatgtaaa taccttgcgt aagaagacag gaggaaagaa 240

gggcggcggt ggcggtaaga agaacgatgt gaagaaggcg gccaagaccg agcccaagaa 300

ggttgtcaag cagatgaggg tctgggatga caaaccgccg aagaacgaga agctggactt 360

cacggacccg gctgacgaga gaggggagga ggtgatagag aaaggtgctt accaaccagg 420

gggacagcat gatggataag gatgaagatc tga 453

<210> 10283
<211> 422
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189091g06b1

<400> 10283

tccacgcgtc cgagttggtc taactatatt tactttgctg aactcccttt gtgatggttc 60

ttcttgaagt gaagaattga cgtctagact ggcataattc agttcctgga tgaaaaaatt 120

tacatgtcct tttagtctga aaatcatagt gggccttgga gcatgatgca gaaaattgta 180

ggtatgccct gcacttccca tacatgaagg caaatgattt ctttttggat gccactgtcg 240

tccggcacat ggtgtttatc aatgagtaaa tggtacaaag ttcgaattat cagtttacgt 300

tcgtcctgat ggatcgatag cttcgtcgcg gtcatcagga gaaatatcac caatctagcg 360

gacggccaaa ccgagcggtc gatacaggaa actagcccct gccattcccc atctctgtat 420

tt 422

<210> 10284
<211> 386
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189091g07b1

<400> 10284

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tatccccaag cagggctagc taaaccgatc tagaggatgt cgttggtgag gttcttcgac 120

acgctggccc tggactcgtg gaacccctte ggcagcatct tcggcaccac ggcgtccagc 180

ggcaccgacg cctggctggc cagcgacacg acggcgttcg ccgacaccta catcgagagc 240

cgggagacgg cggaggccta cgtgttcagc gccaggctcc ccgcgggcgt caccaaggag 300

gaggtcaagg tggaggtgga ggaggagggc aaggtgctgg tcatcgccgg cgagcggaac 360

ctgcggaggg aggccaagag cgagac 386

<210> 10285
<211> 357
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189091g08b1

<400> 10285

tttctccgtc gccttcctct actggttcta cgacttctga tgaactcctc gcccctcgag 60

aacgccgcat ccatccagcc tctagttgat tagtagatcc agcctcgttt cttccacgtt 120

cttgccttac tccttcccgc catccaagaa aagagaattt ccttttctgg ttcttggatc 180

aagaacccga ccggccatgt cgtcgccgtc gcgccggagc tccagccccg agagcaacat 240

cgacggcggc agcggtagtg gctccgacgg tgacgagcgc aagctcaaga ggatgctgtc 300

caacaaggag tcggcgaggc ggtcccgcgc gcgcaagcag cagcggatgg aggagct 357

<210> 10286
<211> 436
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189091g10b1

<400> 10286

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ttcctctccc acctccaccc cggcgcccac tccctcggct acctctacct cctggattct 180

ttcgtgtcgt cgtctgctaa tctgagggcg cacgccggcg gggaccttct tgtgaccgtg 240

gccgatttcc tcacctcttg ctcggccgac cagatacgca tggcgcccga caaatttgtg 300

acatgtctgt agggtgctca agaacgaggt catgcagctc aatgcgccga tccgagggat 360

tgctccgctt cgggctgctg tccgcaagat ccagacatcg tcagagcagc ttaccccact 420

ccacgctgaa tacctg 436

<210> 10287
<211> 467
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189091g11b1

<400> 10287

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gtcgccggcg acggcgacga cgcccgcgta ccccgccacc gccacctcgg ccacgcccgg 120

gcggcgctcg gtggcggtgc gcgtgctgcg ggactacggc tcgatcccca agcgggagcc 180

cttcagctcc agccgcagca tcctcgacga gttcttcaag caggagaagc ctctcgtcca 240

gcgcaccaag gaccacatca cagattattg cacgaccctt gaaggcgatg attgctgcag 300

ctgctgggat gcctattttg aactcaacaa actcgagcaa gagctaccgc aagaagaaat 360

ctcaaggatg gtgaaggact cgcggtcaga cccaaggtac ctcataagca gcatccacca 420

ccggtcagac ctacggaaga agatggccga gaaagctcac aattcag 467

<210> 10288
<211> 470
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189091g12b1

<400> 10288

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acaagccccc catcctcccc atcggcaagg gcgcctacgg catcgtctgc tccgcgctca 120

actccgagac ggggggcagg tggccatcaa gaagatcgcc aacgccttcg acaacaagat 180

cgacgccaag cgcacgctgc gggagatcaa gctgctccgc cacatggacc acgagaatat 240

tgttgcaata agggatatta tacctcctgc acaaaggact gcatttaatg atgtctatat 300

tgcatatgaa ttgatggaca ccgacctgca tcaaattatt cgctcaaatc aagctttatc 360

ggaggagcac tgccagtatt tcctttatca gatccttcgt ggcttgaagt atatacattc 420

agcaaatgtt ctccaccgag acttgaagcc tagcaatctt cttttgaatg 470

<210> 10289
<211> 360
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189091h01b1

<400> 10289

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gaacaagatc ctcaaggtca tcaggaagaa ccttgtcaag aagtgcattg agctcttctt 120

tgagattgct gagaacaagg aggactacaa caagttctac gaggccttct ccaagaacct 180

caagcttggc atccacgagg actcccagaa caggaccaag attgctgagc ttctgaggta 240

ccactccacc aagagtggtg atgagctgac gagcctcaag gactatgtga ccaggatgaa 300

ggagggacag aacgagatct actacatcac tggtgagagc aagaaggctg tggagaactc 360

<210> 10290
<211> 311
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189091h03b1

<400> 10290

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gcggcagcgg ctccgccggt gacgagcgca agcgcaagag gatgctgtcc aacagggagt 120

cggcgaggcg gtcccgcgcg cgcaagcagc agcggatgga ggagctcatc accgaggcca 180

gccgcctcca ggccgagaac gcgcgcgtgg aggcccagat cggcgcctac acgaccgagc 240

tgaccaaggt ggacggcgag aacgccgtgc tccgcgcgcg ccacggcgag ctcgccgggc 300

ggctgcaggc g 311

<210> 10291
<211> 442
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189091h04b1

<400> 10291

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cgcccggccc tgccggccac cccatcctcg gcaacttgct ctatgtcatc ggcccgctcc 180

gcaacaaccc acacaccaca ctcgcctacc tcgctcaaac ctatggaccc atcttgtccc 240

tccgccttgg tctgacccgc accatcgtcg tggtgtcatc cgccgctgcg gctcacgagg 300

cccttgccaa gaatgacaca gcgctcgcgt cccggcttgt gccagacacc gtccgcgcca 360

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accgtgccat catgggcgcc ca 442

<210> 10292
<211> 320
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189091h05b1

<400> 10292

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ttcttgaagt gaataattga cctctagact ggcataattc agtttctgga tgaaaaaatt 120

tacatgtcct tttagtatga aaatcatagt gggccttgga gcatgatgca gaaaattgtc 180

ggtctgccct gcacttccca tacatgaagg caaatgattt ctttttggat gccactgacg 240

accggcacat ggggtttatc aatgagtaaa tggtacaaag ttcgaattat cagttcacgt 300

tcggtctgat ggatcgatag 320

<210> 10293
<211> 491
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189091h06b1

<400> 10293

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agcaggtgat ttcagcttgt ctggtgtgac aagtttggct gatccctgcc ctttgccatc 180

ggctgcaaag aagcgaggac tacgtgacaa ggagaagctg ttctatgccc caatgtctgg 240

tcttggggat ctcctgtatg acaaggatgc ggtgtacatc aacatcaatg atcatcttgt 300

tcagttttca aacactgatg acaacaatgc atctaagaaa caagggaaag gtaatgatgt 360

cggtgtggct ctagtaaaaa ctcttcagaa caccaaatac tcccttgatg agaagttaga 420

tcagagtttt ataaatttct tcggcagacg gcctgctgct cagtccgaag acagtgacat 480

gacaggcaat g 491

<210> 10294
<211> 371
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189091h07b1

<400> 10294

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ctgtccgtct tccgcgaggg tgtggtgtac ggtgctggca ttggcccggg tgtgtacgac 120

atccactccc ccaggatccc gtccaaggag gagattgccg accgtgtcaa caagatgctc 180

gcggtcctgg acaccaacat cctgtgggtg aaccctgact gcggtctcaa gacccgcaag 240

tacgccgagg tcaagcctgc cctcaccaac atggttgagg ccgccaagca gatccgtgcc 300

gagctcgcca aggcgcagta agccgtgctc gtatagcaga gccccccttt taattgcaag 360

gaggatgtca c 371

<210> 10295
<211> 374
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189091h08b1

<400> 10295

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cttcctttct cctccttgct gcacttcttg cgttagtctc atggcaggcc actgcttttg 120

atcctagccc actccaagac ttttgtgtcg ccgacatgaa ttcaccaggt actatccgtt 180

ttgtcatcat gttttcacca aatacatatg ttgaaatcta tttccggaaa ttatatccaa 240

gtcgaaacaa ctttgtaaaa tctgagctta catgtatatc tcttgtgccc ccagtccgtg 300

tcaatgggtt tgtttgcaag aaaccgatgg aggtcaatgc agatgacttc ttaaggcggc 360

caacctcgac aagc 374

<210> 10296
<211> 458
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189091h10b1

<400> 10296

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gactagtggc acatcctaca accgaaaaaa ctcttgccat ccttctttta atttcattta 120

gctacttggc catatctttg atataggttt ttgctcctgc ctttactgtg gttgcagatt 180

ttttttagcc cagaccatgt gggtaatgac tcggaatctg ttctaatatt ttggtttgcg 240

atctagctct ccattgtttg atttgttacc tttaactctt gatccctgtg ttctattggt 300

cttctgcaag tgttgcagga tataatagtt aggagtttgt gcccaaacct ttgctctgta 360

catggagtca ggtcagtgtc ttgtagatgg tctgtttgtt tcatttgtta gcgccacctc 420

catgagttgg cttgcaggac tggatctgga tctggcct 458

<210> 10297
<211> 468
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189091h11b1

<400> 10297

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gtccagggca cggccaattc atgttgaccg gaaacaacga tatgaagccg ccgattccta 120

aacgaccccg gcggatggct atgtcgccgg aatcagcacc tttagcctcc ggcagtagca 180

gcttcatccc agatgatata atcttctttc agatactcgt acttcttcct gtgaagtccc 240

ttgtgcgctt ccaaaccgtc tgcaagtcat ggcgcaccac attaaccagc atcagtttcg 300

tgcgctggca cctggagctt tccaagcgaa caaggtcgac catggtcctc gtgccacgca 360

agtatcagga ggaccgacgg aaggcgtgtt ctagattact cagtatcttc agcttccagc 420

caggggaaag caagtgtgcg gagcttatct tccgaaagga atttcatc 468

<210> 10298
<211> 473
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189094a01b1

<400> 10298

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gttcaacata ccaaccgtac aataaccgac atggtttcta caatggctat atgccacaac 120

ctgttcccac acatccctac tatcatggcc tctattttgg tatgggaggc aatccctatg 180

caaatgcata tccaaaccat gcagtcatgg caaatgttcc aaacatggtg gcaaggcgtc 240

cagtatatag cccatatccc ccaatgtatc ctggctatgg ttttgcatac agaagtggtt 300

atgcgggtgc tgcaccttct gttcagtatg gcgttaatgg tggcagggat tacatgaatg 360

accaagactc tatggatgta caagaacttg acagcactgc taccattgct acaaagtttg 420

aatacatgaa gctaggttca caatgacgtt ctgggcaatt atttttacac tga 473

<210> 10299
<211> 420
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189094a03b1

<400> 10299

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aatcaacggt ttcggaagga tcgggaggct cgtcgccagg gtcgccctcc agagcgacga 180

tgtcgagctc gtcgccgtca acgacccctt tatcaccacc gagtacatga cctacatgtt 240

caagtacgac accgttcacg gccactggaa gcacagtgac atcaagctca aggacgacaa 300

gacgctgctc tttggcgaga agccagttac cgtcttcggc gtcaggaacc ctgaggagat 360

cccgtggggt gaggctggtg ccgattacgt tgtggagtcc accggtgtct tcactgacaa 420

<210> 10300
<211> 209
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189094a04b1

<400> 10300

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gccgactcca tgtcctacta ctgctccgcg cccgcccgcc gcaggggccc gctgcggggg 180

gtggtgtacg acatggacgg gaccctgac 209

<210> 10301
<211> 221
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189094a06b1

<400> 10301

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ttctccttcc ttccagtttc agccatgggt aaggagaaga ctcacatcaa catcgtggtc 120

attggccatg tcgactctgg caagtcgacc accactggcc atctgatcta caagcttgga 180

ggtatcgaca agcgtgtgat cgagaggttc gagaaggaag c 221

<210> 10302
<211> 476
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189094a07b1

<400> 10302

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cgccggaatg gactcggagc actggatctc gcgcctggcc gccgccaagc ggttctacgc 240

cgcgcagctc ggccacgccg atcgggcggg gatggacgag ctggacatgg acggcgacga 300

gaacgcgggc aggcccgact tcgcctgccc ctactgctac gaggaccacg acgtcgcctc 360

cctcgtcgcc cacctcgagg aggaccaccc cttcgagccc cacgccgcgc cttgccctgt 420

ctgctccgaa aaggtttcta aagatatgct taaccatatc accatgcaac atgggt 476

<210> 10303
<211> 254
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189094a08b1

<400> 10303

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gccgatcggg cggggatgga cgagctggac atggacggcg acgagaacgc gggcaggccc 120

gacttcgcct gcccctactg ctacgaggac cacgacgtcg actccctcgt cgcccacctc 180

gaggaggacc acccctttga gccccacgcc gcgccttgcc ctgtctgctc cgaaaaggtt 240

tctaaagata tgct 254

<210> 10304
<211> 359
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189094a10b1

<400> 10304

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cccctgcgtg aaccgcggag caaggaagga ggagcccgtc gggctactaa tctcgggggt 120

tccccctctg atccgggcgg tttcggccgt tagctgctgg gggaggagcc gcgccggttc 180

gtggcgccgg cgtcggtggc cgggggtcgt cggtccttcc ttggttctct cgtcatcgga 240

aaaataaatc ggtcgatctg cctctgattg cctcgcgcgg ttgggcttct ccggtggggc 300

aaaggcagga ttttgagcca ctttgcccct aaaattaaat ctgatttaat gggcgacca 359

<210> 10305
<211> 102
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189094a11b1

<400> 10305

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agtgggaaca actttgggga cagcatgggg tggggcagat cg 102

<210> 10306
<211> 242
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189094a12b1

<400> 10306

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tgatgcgtca aataacctac aagatcgcac tatccctata tacatcatcg cactcgcgta 120

cgtctctact cctctttgtc cacagggaca atgtacaatc aactagcact gctactcttt 180

ttccaccccc tcccattctg gttttgacct cttcaagcag catgtgcaac ccaggggagt 240

cg 242

<210> 10307
<211> 253
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189094b01b1

<400> 10307

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tcaacatacc aaccgtacaa taaccgacat ggtttctaca atggctatat gccacaacct 120

gttcccacac atccctacta tcatggcctc tattttggta tgggaggcaa tccctatgca 180

aatgcatatc caaaccatgc agtcatggca aatgttccaa acatggtggc aaggcgtcca 240

gtatatagcc cat 253

<210> 10308
<211> 353
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189094b03b1

<400> 10308

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gacgaatcca tgtcctccga ctgctacgcg cccgcccggc gcaggggccc gctgcggggg 180

gtggtgttcg acatggacgg aaccctgacg gagcacgaca tagactatca cgtcaaggac 240

caagaggtgc accgtgcaga ggcactggaa gcacagtgac attaagctca aggacgacaa 300

gacgctgctc tatggcgaga agccagttac cgacttcggt gtcaggaacc ctg 353

<210> 10309
<211> 260
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189094b04b1

<400> 10309

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gggtaaggag ctgctgccgg gttctctgat agtgctgtct cataaggata aggagatcac 180

tgatgcgctg gaaggggccg gcgtgcagcc tacggagtcg gaggtggctt atgaggtggc 240

attgatgttc aagacgaata 260

<210> 10310
<211> 262
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189094b05b1

<400> 10310

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ggggtttggt ctgctggcaa ggccgcaatt cggttggttg gaacgcagcg agctgcccca 180

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cttgctgctc gtcgggttca cg 262

<210> 10311
<211> 117
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189094b06b1

<400> 10311

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aacttacacg gcaacctact ccaaggtgga cagcgccgga ggaatctgcg tgctctc 117

<210> 10312
<211> 150
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189094b07b1

<400> 10312

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aatgcaagtt tacagctact cggagttcct 150

<210> 10313
<211> 418
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189094b08b1

<400> 10313

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tcgggtggcc gatatggggc gaggcagggc accgtgctgc gccaaggtcg ggctgaacag 120

gggctcctgg acgccgcagg aggacatgcg ccttatcgcc tacatccaga agcacgggca 180

cgccaactgg cgcgccctcc cgaggcaggc cggcctgctg cgctgcggga agagctgccg 240

gctccggtgg atcaactacc tgcgccccga cctcaggcgc ggcaacttca ccgccgagga 300

ggaggccacc gtcatcaagc tgcacgcctt gctcggcaac aaatggtcca agatcgcggc 360

gtgcctgccc gggaggacgg acaacgagat caagaacgtt tggaacacgc acctgaag 418

<210> 10314
<211> 440
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189094b09b1

<400> 10314

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gaggcccgac gtggagcgca aggtgctcct cgagatcgcg tccgtgctca gggaaacgcg 180

cggcgaggac acggggaggt gggcggagga gccgctggac ttcgacgagc tggaccgcct 240

cgtgtacctc aaggcggcat tgtcggagac gctgcgcctg tacccgtcgg tgccgcagga 300

ctccaagtac gtggtggcag acgacgtgct ccccgacggc accgtggtgc cggccggctc 360

ggcgatcacc tactccatct actcggtggg gaggatggag agcatatggt gcaaggactg 420

cgtggagttc cggccggagc 440

<210> 10315
<211> 104
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189094b10b1

<400> 10315

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aaaaaaaaaa aaaacaaaaa aaaaaaaaaa aaaaaaaggg gcgg 104

<210> 10316
<211> 364
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189094b11b1

<400> 10316

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gccagccacc acttcgcccg gcggccacag acacttcccc cttcgccccc agcaccggcg 180

gccccgtcca cttcccccgt cgccatcgta ggcccaccgg tggcgtgcag atatggcctc 240

tacttcctct tcgtcaagtc ggagaccaag accccgagcg ggctgacggc gcggccagtg 300

ctcaccagct actacaagag tgagcagttc aagaaccgtc cctacgaccc gtaccacaac 360

taca 364

<210> 10317
<211> 391
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189094b12b1

<400> 10317

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gaagctccaa cccaaccgag gatgtcttgc tgcggaggaa actgcggctg cggcaccgcc 120

tgcaagtgcg gcaacggctg cggcggctgc aacatgtacc cagaggccga ggccgccggc 180

gccacctcc tcgtctccgc caccgccacc cacaaggcga gctccggcgg catggagatg 240

gcggcggaga acggcggctg cggctgcacc cagtgcaagt gcggcaccag ctgcggctgc 300

tcctgctgca gctgctagat cgatcattga ccatatgcat gcaccgtgcc gtgcgtgcat 360

catcgatcat atcgatctac tactaccata c 391

<210> 10318
<211> 381
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189094c01b1

<400> 10318

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gtgtcttctc tgccaccatg ccccctgaag cccttgagat tacccgcaag ttcatgaaca 120

agccagtgag gatccttgtc aagagggatg agctcaccct tgagggtatc aagcaggtct 180

atgtcaatgt ggagaaggaa gagtggaagc tcgacacact gtgtgacctg tacgagactc 240

ttgccatcac ccagagtgtc atctttgtga acacccgtcg caaggtggac tggctcaccg 300

acaagatgag gggcagggac cacaccgttt tcgtcactca cggagacatg gaccagaaca 360

ctagggacat catcatgagg g 381

<210> 10319
<211> 284
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189094c02b1

<400> 10319

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ctttacacct gatctccgag aaaaaggctc actgcagttc tctcaatgtg gaatgtacca 120

attacattgc tgaacttgaa agcatgtttc ggaaggaaaa gttagaattt gaggtgcgct 180

gccttttgat accgcattct tgtaacatat ccattaaagt agagcttaat tgtaattcca 240

acacatggaa aaaaaaaaaa aaaaataaaa aaaaataata atat 284

<210> 10320
<211> 448
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189094c03b1

<400> 10320

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gtgccattga cgtcggacat gctcgggagc ctactggtct acttcaccca tgccgaaaac 120

catggcgttc aaataatcgg tgatctgaag aaaggcgctg aacccaatct ccgttacaaa 180

cctccaattc acgccgccgt acatgatgct cgccttgaag accggcctca tcaccggcgt 240

catcgccctc gccgaaggga tcgacgtcgg ccggagcttc ggcatgttca agaactacca 300

catcgacggc aacaaggaga tgatcgccat cgggacgatg aacatcctgg gctccttcac 360

ctcctgctac ctcaccacgg ggcccttctc ccggtccgcc gtcaactaca acgccgggtg 420

caagacggtc atgtccaacg tgatcatg 448

<210> 10321
<211> 377
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189094c04b1

<400> 10321

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cttgatatca tggctgggcg tggacttta gctgcaggtt tggtcctcct cgccgccgtc 120

gccccggcct acgccgcgga ctacaccgtc ggcgactcgt cgggctgggc tagcggcgtg 180

gactacagta cctgggcaag cgacaaaacc ttcaccgtcg gtgacacgct cgtgttccag 240

tacggcgcgt cgcacaacgt ggcggaggtg gggtcgtcgg actacagcgc ctgctccgcc 300

accaactcca tccagtcgtt cagcgaccag gacaccaagg tcacgctcac caagcccggc 360

acgcgctact tcatctg 377

<210> 10322
<211> 374
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189094c05b1

<400> 10322

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gagccagagc agtgggggag aaggttctag aggaagagga agaggaagat gaaggtgatc 120

gagaagatcc aggaggcggc ggcgaatggc cggaccgtct tatacttcga gtacttcccg 180

cccaagacgg aggagggcgt ggagaacctc ttcgagcgga tggaccgcat ggtggcgcac 240

ggactcaact tttgcgacat cacctggggc gcccgcggat acaccgtcga cgtcaccctc 300

gacatcgaca accgcatgca gaacatggta tgtgtggaaa cgatgatgca cttgacatgc 360

actcaacatg ccag 374

<210> 10323
<211> 446
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189094c07b1

<400> 10323

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cctcaagctc cagcgatgca tgtaccaccg actctactgg gctatgtaga tggtccacat 120

catgggcatg aagctggcca accgtggggg ggaatgcccc cagagttggc agggatgtgg 180

attggaatca ttgttctcct ggtcatcaac tccaccatct tcttcattga agagaacaac 240

gccggcaacg cagctgctgc gctcatggcc aaccttgcgc ccaagacaaa ggtgcttagg 300

gatggtcgat ggggcgagca ggaggcatca atcttggttc ctggtgacat tgtcagcatc 360

aagctcggtg acatcgtccc tgctgatgct cgtctcctcg agggtgatcc tttgaagatt 420

gatcagtctg gacttacagg agagtc 446

<210> 10324
<211> 427
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189094c08b1

<400> 10324

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ccgtgctgcg agaaggcgca caccaacaag ggggcgtgga ccaaggagga ggaccagcgc 120

ctgatcggct acatcaaggc gcacggcgag gggtgctggc gctcgctgcc caaggccgcg 180

gggctgctgc gctgcggcaa gagctgccgc ctccgctgga tgaactacct ccgccccgac 240

ctcaagcgcg gcaacttcac cgacgacgac gacgagctca tcatcaagct ccatgccctc 300

ctcggcaaca agtggtcgtt gatagcgggg cagctgccgg gccggacgga caatgagatc 360

aagaactact ggaacacgca tatcaagcgc aagctcctca accgcggaat ggacccgcac 420

acgcact 427

<210> 10325
<211> 466
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189094c09b1

<400> 10325

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atgggcctta cttttgggca gaaacacatg ccttattttc gtcagaggac tgccaaggaa 120

atattgaatt tgagggctgg ataatgcaga ggcgcatcat aggtataaac aaaaggaatg 180

tgcaaactgg aggcaagtgt atgtacttaa tagaatgcag ctatgtcttc cctggagtac 240

caaatgcaag gatttccgaa gcccaggggt tcaaaccagt catcctgcaa ggatcaagcc 300

ttaagaatag tttgcaggtg aattggctgc cacaatggat gttcttggcg cagaaagcca 360

ttagctaacg gaaagggtgt tgcaaacttg caatcgtcgt gttgtgtccg tctgttagac 420

tgcagagtca ctgagagttg aaaggagggt atggttggaa cttatt 466

<210> 10326
<211> 359
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189094c10b1

<400> 10326

agctcatccg tctcatggat agctgccttg gttacactta tgtcatgtca accccgaaca 60

cgtgcacgtc tgatatgaaa atagttgatt cgaccgatac agagttaaaa ggctacagaa 120

aaagcccgtc ctggagacgg tccgcctgca cgaagaacat ggcgtctggc ctctccgagg 180

cccacaaact gatcagctac cgtggacact ggaatagcat catcttgctc ttctccgatg 240

ggctcatcaa caaggggac tactttgatg gagccaagga cttcgtctca aaagtacctg 300

tccacacgtt tactctcggc ggagacgcga acaaccacgt tcttcatgcc atggcaaag 359

<210> 10327
<211> 381
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189094c11b1

<400> 10327

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cagctccggg cttgtctgaa gcgaaagatg gacctgaaga aatggaggag caacaagaag 120

agtcagctca ggacatgtct gaagctgaag aaatgaagga gcgccaggaa cattcaggtc 180

aggacatgtc tgaagctgaa gatgagcctg cagaagtgga ggagcaccag gaacattcag 240

ctgtggagat gagtgaagct gaagacgaac ctgcaggagt ggaggagcag caagaagagt 300

caggtctagg catgtctgaa gatgcaggcg atcctgcaga aatgaagggg caccaaggac 360

agtcagctga ggacatgcct g 381

<210> 10328
<211> 420
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189094c12b1

<400> 10328

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acgctcaagg gctccaaatt cgagatcgaa gtgaaccccg ccgacaaggt ttctgatgta 120

aagaagctca ttgagagttc acaagggcag aatgtgtacc cagctgatca acaaatgctc 180

atataccaag ggacagttct taaggatgag actacgttgg aggaaaacaa agttgttgaa 240

aacaactttc ttgtgataat gcttagacag aataagggct catcaagtgc agctccatct 300

aaatccaagg aaccctcaaa tcaggcaccc cctactcaga cagtgcctgc tactcctgcc 360

tctcaagcac cagccacgcc agcaccttaa gcagtggctg cgccagcacc tattgtacct 420

<210> 10329
<211> 249
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189094d01b1

<400> 10329

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tactttacac ctgatctccg agaaaaaggc tcactgcagt tctctcaatg tggaatgtac 120

caattacatt gctgaacttg aaagcatgtt tcggaaggaa aagttagaat ttgaggtgcg 180

ctgccttttg ataccgcatt cttgtaacat atccattaaa gtagagctta attgtaattc 240

caacacatg 249

<210> 10330
<211> 284
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189094d03b1

<400> 10330

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gctcgagagt atgtcttgcc gcggacgtgg aggtcgaggc cgtagcggcc gcggcggcgg 120

acgtcgtggc agaccgggcg gagtgctcag acaagctggt ggcgctggcg acgtgcctga 180

cgactagagc aggggcaggg gcaggcgccg actcccgatt gttgccgcgg gctgaagaca 240

gtgctgcaca ccagacacaa gtgcctgtgc gggctcgtca agga 284

<210> 10331
<211> 395
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189094d05b1

<400> 10331

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agagcgcacg ggacaaggct gccatggcgg aagacgcggg gccgttggtg ggaggcatca 120

aggactcgcc gatgggccag gagaacgacc tcgacgtcat cgcgctcgcc cgcttcgccg 180

tctccgagca caacaacaag gccaatgccc tgctggagtt cgagaatgtg gtgaagctga 240

agaagcaaac tgttgctggc acgatgcact acattacaat tcgggtcact gaaggtgggg 300

ccaagaagct ctatgaagct aaggtgtggg agaaaccatg ggagaacttt aagcagctcc 360

aggagttcaa gccggtggag gacgctgcaa tcgca 395

<210> 10332
<211> 92
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189094d06b1

<400> 10332

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agggcacggt acaagggtgt catgggggaa ga 92

<210> 10333
<211> 433
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189094d07b1

<400> 10333

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ctcttatacg cctgcccgcc tcgccagatt cctcacagct tccctgcccc gagcggagat 180

cctgaactcc ggaggccgtc gtcgggggta agattcggcg gccatgtcgg gcgccgtgct 240

ggtcgccata gcggcgtcca tcgggaacct gctgcagggg tgggataatg cgaccattgc 300

aggtgccgtc ctgtacataa agaaggagtt cagcttggag acccagccct tgatcgaggg 360

cctcatcgtg gccatgtcgc tcatcggggc gacggttatc accacgttct ccggggcggt 420

ggctgatgct gtt 433

<210> 10334
<211> 399
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189094d08b1

<400> 10334

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cgtcacctac cgcaacctcg tcgccacgct cgtcatgctg cccttcgccc tcttcttcga 120

gaaggggaca cggcccaaga tgacactccg catcttcatc aagatcctgg ggctggcgct 180

gctcgagcct gtgcttgacc agaacctgta ctacgtgggc aacaagctga cctcggccag 240

cttctcgtcg gcgctggtca acatcctgcc ggccgtcacc ttcatcatgg ccatcgtcct 300

gcggatggag aagctccgcc ttcggagctc ccacagccag gccaaggtcg ccggcaccat 360

ctgcaccgtc atcggcgcgg tgctgatgat catgtacca 399

<210> 10335
<211> 300
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189094d09b1

<400> 10335

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gcatgcacta cttcaccatc gaggtcaagg aaggcggtgc caagaagctc tacgaggcca 120

aggtgtggga gaaggcctgg gagaacttca agcagctcca ggacttcaag ccggccgcct 180

gaaaagatgt aaataaatat gttatgtgag ctgaaccgct caagcttgtg gatggggcct 240

atccaacacg ccagcctcac tggatactgg tgtaatatga tgaaataaac ctgcttgctg 300

<210> 10336
<211> 334
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189094d10b1

<400> 10336

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aaccaaggat gctggtgtta ttgctggtct taatgtgatg cgtatcatca acgagccaac 120

agcagctgca attgcctatg gtcttgacaa gaaggctacc agtgtcggtg agaagaacgt 180

gcttatcttt gacctcggtg gtggcacttt tgatgtctct ctccttacca ttgaggaggg 240

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ccgtatggtg aaccactttg tccaagagtt caag 334

<210> 10337
<211> 334
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189094d11b1

<400> 10337

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gtgtctcaga gtctcagcgt gcgtgtctga tctgatggcg gcaccagcag gagattcctc 120

cggcggcgac aagtacaggt ctcacctggc cggcgagggc gagaagaaca ccgtttggcg 180

gcacggcgcg ccgcccacct acgacgccgt gaacagcctc ttcgaggccg ggaggactca 240

cgagtgggcg aaggggtcgc tggaggagac ggtgcagaac gcgatcaaga cgtgggagat 300

ggagctgtcg cacaaggccc gcatcgggga cttc 334

<210> 10338
<211> 317
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189094d12b1

<400> 10338

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ggccgcaccc ttgcggatta caacatccag aaggagtcca ccctccacct tgtcctccgc 120

cttcgtggag gcatgcaaat ctttgtcaag accctcactg gcaagactat caccttggag 180

gtggagtcat ctgacaccat cgacaacgtg aaggccaaga tccaggacaa ggagggcatc 240

cccccggacc agcagcgcct catctttgct ggtaagcagc ttgaggatgg ccgcaccttg 300

gcagactaca acattca 317

<210> 10339
<211> 453
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189094e01b1

<400> 10339

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acatggagat gccgccgccg ccttcatcga cggcgcgccg caccgctacc tgcgggatca 180

gcaggacgac caggccacgt cgatgtcact tgatgaagtt tctgcagctg tttccgtctt 240

gcttggtttt gcaccacctg ccatgcttcc cgcgccttct tctgcaaagt taaacaagct 300

gctactccca aagccatttg acaggcctcg tgctgttttc ttgatgcaaa ttgatggatc 360

ccatgactct gtcgatagct tcgtatctga tgccggtagt atttacaaaa ccaagattga 420

gggtgcacaa aatgctgcta cagggcttac aga 453

<210> 10340
<211> 192
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189094e02b1

<400> 10340

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gcaatgggat tactgatgca ctgaacgaac gagttattga gctagaagat gagctcaagg 120

aagcaatgga gaaacttgag gcactcgagg aaaagaatat gcggtgccaa tgtgaaaacc 180

ttgaagagaa gt 192

<210> 10341
<211> 412
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189094e03b1

<400> 10341

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cgccaagctc aggtgagttg gaggtagctg agcacccccc taacaccgtg ctcgacgacg 180

ctcgacaccc gcacgcatga acaccgatgg cggcgggcct gttcatacct tttttcctga 240

ctttttgtac ctgtagaata tagaatgtac aagtttttgc aaatatttat tccgacatat 300

aagaagggac aaaaggcttt aggtcagact tcagaggagg aaaaataagc aagcagttca 360

tgtatgtatg tatgtatgcg ggctcaaatt ctgtacatta acatggaaga gt 412

<210> 10342
<211> 356
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189094e04b1

<400> 10342

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cctcatcaac atgtaccgca agatctacgc cggccggttc cggtgcccga actggttctc 120

gccggcgctc cgccacctgc tacgccgcat cctcgacccc aacccgggca cgcgcatcga 180

cacggacggc atcatggagc acccctggtt ccgccacggc gcgagcggcg acggcgagct 240

ggagaagctg atgcgcgggc acgaggagga ggcgtggttc gagacggagt tcaaggagga 300

catggtgcgg gacatgaccg cgttcgacat gctggccttc tcgcccggct cggacc 356

<210> 10343
<211> 365
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189094e05b1

<400> 10343

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aagcccgtcc cggtctcggt cgcgtcccac tccccttca atccttcaat ccttcttcac 180

cggaacctgc ggcggcagat cgagtccaat cgtgaggcag agtaacaggg cgaacgcggg 240

agccagagcg agaggtcggg aagaagaaga actcaccggc gggggcgaac cggacatgtg 300

cgtggaggga ttcgaggacg cgcagatcga gaggccggca gatttcgcgg tgggtaaacc 360

ccctc 365

<210> 10344
<211> 408
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189094e06b1

<400> 10344

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tcaccggagg aggacgccac actcaagtcc tacatcgagc agaacggcac cggcggcaac 180

tggatcgcgc tgccacagaa gattggtctg aggaggtgtg gaaagagctg ccgcctccgg 240

tggctcaatt acctccggcc gaacataagg cacggtggat tctcagacga ggaggacagg 300

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ccggggagga cggacaatga catcaagaac tactggaaca caaggctc 408

<210> 10345
<211> 182
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189094e07b1

<400> 10345

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catagtatcc ggtctatgcg gggtctgtaa tttgcttaga tgccccttgg ccgccatttt 120

ctagcttggc ataaactatg accacccttt tgaggggtcg aggaagatat gatggaatga 180

ca 182

<210> 10346
<211> 407

<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189094e08b1

<400> 10346

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agcgcatcgg cacaaagctg gccgccgccg acatggctcg cctcgccgcc gccgccaccc 120

gggaggcccg gcgctccgcc aaggtgtcct ccgtgggggc cgcggcggcg gcagcggctc 180

agcccgagcc ggccatcacc ttcgtgccgg ccgcggagga ggcgccgtcg ccgagggcgc 240

ggctggacga gatggtggac gacgcggtgg ccgccgagat cgacgtgctc aagcaccggc 300

tcagcagcgc gcgctccagg cggcccaacc tcgagaccat ccacgaggag aatcacctac 360

tgtgcagacg ctgaaatata ctgctagcag ctcatttttc ttcttct 407

<210> 10347
<211> 481
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189094e09b1

<400> 10347

ttctgggatc acgcagggtt cacgttcacg ccgccgccgt tcatcacgtc cttcactgag 60

cttctatcag ggtctggcgc cggcgacgtg gaggggtcgc caaggggttc caaccgaggg 120

ggtcgggccg gggtgcccaa gttcaagtcc gcgcagccgc ccagcctgcc catctcgtcg 180

ccagcggcgc ccttctcctg cttctccatc cctgcaggtc tcagccctgc tgagctgctc 240

cactctcccg ttctcctcaa ctactctcat atattggcgt ctccgactac aggtgcgatc 300

cccgcgcgga gatacgactg gcaggcgagc gccgatctga acacctttca gcaggatgag 360

gtcggccgtg gagacagcgg actctttggc ttctcctttc acgcagtgaa gcccaacgcc 420

acggtcaacg ctcaaacaaa ttacttacct ttattcaagg aacaacagca gcaacaacaa 480

c 481

<210> 10348
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<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189094e10b1

<400> 10348

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tcgtcgccgg cctcgtcggc tcctgtgtca tctcgtatgc ctgtgactac atcgtttctc 180

agaagaagat cttcggtggc accatcccag ggactgtgtc cgacaaggag tggttgaagg 240

cgacggagca gaggttccag gcctggcccc gggtcgctgg gccgccggtc atcatgaacc 300

ccatcagccg ccagaacttc atcgtcaagg acctcaaccc ctgaggctca agatcttaag 360

gtttgcggtc ggttggaacc tttaccctga tggcgatgcc tgttgctaaa tctacctatg 420

t 421

<210> 10349
<211> 402
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsrow189094e11b1

<400> 10349

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acgaccacct ccaccccaag ggcggcggcg ccgacgccga cgcggcgtcg ccggtggtgt 120

cgtcgtggaa gctgcgcatc aagatcctgc tggacgcgtc gcggggcatc gagtacctgc 180

actcgtacgc cgtgccgccc atcatccacc gcgacatcaa gtcgtccaac atcctgctgg 240

acggcgggtg ggtggcgcgc gtgtcggact tcgggctgtc gctgatgggc ccgccggaga 300

cggagggggn gggcggcgcg cangcgcccg agcagcacct gtccatgaag gccgtcggca 360

cggtggggta catggacccg gagtactacg gcctgcacca cc 402

<210> 10350
<211> 336
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189094e12b1

<400> 10350

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ctcggctgct tagcgcaggg agtgatggtt atgtgaagtg ctttgattat ggggagctca 120

agatgacaca ctcgatgcgg tatcccaagg aattgctgtc cgtggcttgc tcgccgtgtg 180

ggacggtgct tgttgccggg tcttcaaagg gtgacatctt tgtgcgcaga aggaagaaga 240

atgcaacaga ggaggtggaa gaggaggttg taagcagcga gttcgcctgg acaatgccca 300

agccagagaa gcaggcgctc aagccgagct actaca 336

<210> 10351
<211> 209
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189094f01b1

<400> 10351

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ccggttccgg aacctgcaat ggctgctgct ccggcgacga cggcggaggt ggtgccgcgg 120

atgaagctgg gctcgcaggg gctggaggtg gcagcgctgg ggcttggctg catgggcatg 180

ttcgcctact acgggccggc caagcccga 209

<210> 10352
<211> 283
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189094f02b1

<400> 10352

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agccggagga gcggaggagg cctgagcagg agcctcaagg agcacatggc caggctctac 180

atcatccaac gctgcgttgt catgctgctg tgctggcacg actgactccg atgcctcgct 240

ccatggatgg atcttgttct tccattccat ggatggtgtt tga 283

<210> 10353

<211> 185
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189094f03b1

<400> 10353

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tcttcgaggg gcttgagact ctcactgact gcggtggtgg tgatgggact acggccaggt 120

ccatcgtcga ggcctaccgc gacatcaagt gcactgtgct ggaccttcca aaggtcatgg 180

acaaa 185

<210> 10354
<211> 418
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189094f05b1

<400> 10354

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tgtggccagg gttgcgctcc agagccccga tgtcgagctc gtcgccgtca acgacccctt 180

catcaccacc gactacatga cctacatgtt caagtatgac actgtccacg gacagtggaa 240

gcaccatgaa gttaaggtga aggactccaa gacccttctc ttcggtgaga aggaggttgc 300

tgtgtttggc tgcaggaacc ctgaggagat cccatgggct gctgctggtg ctgagtacgt 360

tgttgagtcc accggtgttt tcaccgacaa ggacaaggct gcagctcaca ttaagggt 418

<210> 10355
<211> 418
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189094f06b1

<400> 10355

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tgtggccagg gttgcgctcc agagccccga tgtcgagctc gtcgccgtca acgacccctt 180

catcaccacc gactacatga cctacatgtt caagtatgac actgtccacg gacagtggaa 240

gcaccatgaa gttaaggtga aggactccaa gacccttctc ttcggtgaga aggaggttgc 300

tgtgtttggc tgcaggaacc ctgaggagat cccatgggct gctgctggtg ctgagtacgt 360

tgttgagtcc accggtgttt tcaccgacaa ggacaaggct gcagctcaca ttaagggt 418

<210> 10356
<211> 379
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189094f07b1

<400> 10356

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ctcacgtcca tgtcactcag gtgcgccatc gagctcggca tcccgacggc gatccaccgc 180

ctcggcggca ccgcgtcgtt gcccgacctc atggccgcgc tgtcccttcc gccacccaag 240

gagccgtttc tcagccgcgt gctgcggctg ctggccaaat ccgacgccct ggcgtgcacc 300

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gacggcgagg ctaggcaga 379

<210> 10357
<211> 395
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189094f08b1

<400> 10357

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aacagcctcc catgcaatct gcactgggac cctcttttct gttttctata aacccagaac 120

aagtcaatct gagtttgtgg tgagtgttaa caagtacctt gaagcgaaga agcagaacat 180

ttccgttgga atgagattta agatgaaatt tgaaggcgat gaagctcttg aaagaaggtt 240

cagtggtaca ataattggta ttgggagcac gccgatggtg tcaacatctc tatgggcaga 300

ttctgattgg aaatctgtga aggtccaatg ggatgagcct tcatccattc ttcgtccaga 360

tagagtctca ccatgggaat tggagccact ggatg 395

<210> 10358
<211> 278
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189094f09b1

<400> 10358

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tcaagggtga gtacatgcca cctcgggatt tcagcggaca tggcactcat gttgcctcga 120

cgattgccgg aggagaagtg cacggtgtga gctatgccgg cctagccacg ggcatggcac 180

gtggcggggc accacgtgca cggttagcaa tttacaaggt gttatggggc ccgaacacag 240

cagccagtga cagcgagcat gctctgtgcc attgacga 278

<210> 10359
<211> 384
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189094f10b1

<400> 10359

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gactctaccc agatcgagat caaccctctc tccgagacct ccgaccacca ggttctgtgc 180

atggatgcca agttcggttt cgatgacaac gctgagttcc gccagaagga gatcttcgag 240

tggcgtgaca ccacccagga ggaccctgat gaggtccgcg ctgctcagtc caacctgaac 300

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accatggaca tcatcaagat caac 384

<210> 10360
<211> 454
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsrow189094f11b1

<400> 10360

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ttgtgaggac agtggcgaca tggttgactg aatggcaata ggaagaaggc acatctcata 120

taattgtttt attcaagaca agtctacact ctcttatgtc aaatttgcac agatttccct 180

gccctaggct tatttctann agggggagag aagnanngtg ttatttttt ggggngggatt 240

acaaagaatg gtagcgcatg aggagtatta gccacggagg agggaggaga ctgacatgag 300

gaaaacatat tctggatcga tttggttctc atggtggcat cttccctgct ttctcctttc 360

tttttatttc caacactctt tggtacagag cgattaacaa acaactgaac tgaatattgc 420

tttttctcct tttcagataa gttagtttac atta 454

<210> 10361
<211> 450
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189094f12b1

<400> 10361

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cttgaagaat atgatgaaga aaatccccgc tctatcacca aatgcgagca tcatttccat 120

ctttgttgca tactcgaatg gatagagcga agcgagactt gcccagtctg tgaccagata 180

actttgatag atgagatgta tgaatagcat gttgaccctg gtggatcttc tctaggagct 240

cgtgtgtgcc tgccgaggag gtttagtact agtccttttc ctatggggaa gtaaaatcag 300

caactactct gctcctaata tggtagtatg atctggtgga ggtgctactg gaatgcatct 360

tgggagaaca aatgggaaat aatgaaaaac acaagcatca agaaatatgt tacctaaaaa 420

aacatccatc cctatgttta tactagcatt 450

<210> 10362
<211> 224
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189094g01b1

<400> 10362

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gcagcttcag gagatccgca agggtatccg cggcgactcc atcgtgctca tgggcaagaa 180

caccctcatc cgccgctgta tcaaggtgca ctcggagaag accg 224

<210> 10363
<211> 239
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189094g04b1

<400> 10363

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aggcgcgcgc aggccgagat cagatcggcg gcggcggcgg cgacggcgac ggcgaccatg 180

ttcagcggga cgcagcagaa gtgcaagggg tgcaccaaga cggtgtaccc catggacca 239

<210> 10364
<211> 499
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189094g05b1

<400> 10364

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cttatcccaa cttcaacgca atcaatatgg atgatttcac cttcagccca ggctcaacaa 180

ttgcagatgg tgccttgcag atcaccccaa gtaccggaaa catgcgccac cggtcgggga 240

gagtggttta tgcaagggaa accctcaagc tgtggaacaa caagcgcatg gcgcccacct 300

cgttcaggac agatttcctg ctcaacatcc aacccggtca gaatggggct ggagaaggta 360

tggcatttgt gctcacaaac aatccatcgt tgcccagcaa cagcaatggc cagtggcttg 420

gcatatgcaa tgacacgaca gacggcacga atactgaccc agttgtagcc gtcgagtttg 480

acacgagaaa gagctatga 499

<210> 10365
<211> 335
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189094g06b1

<400> 10365

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aaggccgtcg gtcaagaagg tgatagctgg catgcctcca gattttggat tcgggagcgg 180

gaacatacca tgataaggca tatgctttgt gtgcttgaga tgctctaatc gtctctaccc 240

aacccacgag aaataaagta agcaaagcgt gggtgtggat atgaaataac ttgtttcggt 300

gaattgtttt ctaataccaa ttagaattga ttctc 335

<210> 10366
<211> 337
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189094g07b1

<400> 10366

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ctacggggga cgtggagttt tcggcgagat gttcggtcgc ggcccgccta acaagaacga 120

cagcacgcgc tactacgaga tcctgggcgt gcccaaggac gcgtcccagg acgacctcaa 180

gaaggcctac cgcaaggccg acatgaagaa ccaccccgac aagggaggcg acccagagaa 240

gttcaaggag ctagctcagg cttatgaggc tctgagtgat cctgagaagc gagagatcta 300

tgaccagtat ggtgaggatg ccctcaacga gggaatg 337

<210> 10367
<211> 437
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189094g09b1

<400> 10367

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ctccctctct tccgctcgct cgctccgggt ctccctcctc cctcttcaca cccacctcac 120

ctcctctgct ccctcttcgc gtgtccaaga aaggaaccac caggcgggaa cggcgtgagc 180

gcagctgggg ctggagccgg atcgaccccg ttcgtctcca gaggcggcgg cacgggcgca 240

ggagctccgg atcggcgctc aagaagtaag agtccgcgct gatgtacacg ttgctgattt 300

cttctaccta gacatactcc agagcagcag ctctgccctg ccgccgtgat ctgtaatcgc 360

cgttccaaaa gacaacagtt tagaaaggtt gtcggcggcc caagctctga gcttcagcct 420

gcatctagct agcgcag 437

<210> 10368
<211> 438
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189094g10b1

<400> 10368

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cttctcttag ggtcgtccgc gatggcggct ccggtggtgg acgccgagta cctgcgccag 120

gtcgacaggg ggcgccgcgc tctccgcgcc ctcatcgcct ccaagggatg cgcccccatc 180

atgctccgcc tcgcatggca tgatgctggc acgtatgatg tgaacacaag aactggtggt 240

gcaaatggtt caattagata cgaggaagag tacacccatg gttcaaatgc tggcttaaaa 300

attgctattg atctcctcga gcctattaaa gcgaagcatc caaagattac atatgcagac 360

ctttatcagc ttgctggagt agttgcagtt gaagtcaccg ggggtccaac cgttgagttc 420

atccctggaa gacgtgat 438

<210> 10369
<211> 372
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189094g12b1

<400> 10369

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caggatcttc ggcggcgaca agaaccagga gaacaccaac cgcgtcgtcg gcacactagg 180

ctacatgtcg ccggagtacg cgatggaggg cctgttctcg gtgaggtccg acgtgtacag 240

cttcggcatc ctgatcctgg agatcatcac cggccagaag aacagcagct tccacaacat 300

ggagggctcg ctcaacatcg taggctacgc gtggcagatg tggaactcgg acaaggggga 360

gcagctgatc ga 372

<210> 10370
<211> 339
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189094h01b1

<400> 10370

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aatggtgtgc tcagttagct tcaacaagtt tgggtggatg ccaagtggaa acagccgaac 180

tcgttgctcc aaagactgcc atcatttctt caaccatccc cggtgcagta tactgcggtc 240

tgttataaga tatgattgga caaagtgcat caggccagag aatgttcaac agaatcagat 300

tatgtttatg ttattttgtc aaagtcattg gacaactgc 339

<210> 10371
<211> 94
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189094h03b1

<400> 10371

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gctgccgcga atataagcgc ggccattggg gcgc 94

<210> 10372
<211> 69

<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189094h04b1

<400> 10372

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cttaggggg 69

<210> 10373
<211> 70
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189094h06b1

<400> 10373

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ctggaggaaa 70

<210> 10374
<211> 348
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsrow189094h08b1

<400> 10374

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cccacctccg tcggccaccg gcgtgccgcc caccccaagc caccggcgcc acgcctccac 120

ccaccgccgc cggccgcagc gccccgcagc ccccactgcc gcctgccgtc ggcggggcct 180

cccccaatcc ccacgcggcg cgtcctcccg agctactcga tgcgccgtcg tggtccgcct 240

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ccgcatccac cgaatcgagc gccgtcgccc gccccgacca cgcatgcc 348

<210> 10375
<211> 339
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189094h09b1

<400> 10375

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ccttgctgga gcgccatagc gcagcaactg tcaagatagt tacctatccg ttcccaacgg 180

tggagggcct gcccaagggt gtcgagaacc ttgggaaggc ggacactcac gcagatgcta 240

tgcgcatcaa catcgccgcc tcgaccgaac ccctgatgcg ccccgcgcac gagacgcatc 300

gtcgggcgca gtctccagac gccatcatca ccgacatgc 339

<210> 10376
<211> 320
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189094h11b1

<400> 10376

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ctgaagaggc tcaatgcccc gtctcactgg atgcttgaca agcttggtgg agcttttgcc 180

cccaagccat catctggtcc tcacaaggac agggagtgcc tgcctctgat cctcatactg 240

aggaacagac tgaaatatgc tctcacctac cgagaagtgc aatctatact tatgcagcga 300

catatcatgg ttgatggaaa 320

<210> 10377
<211> 123
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189094h12b1

<400> 10377

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gaaggactac tagctgatca cctgtgctga ctagagatca acggttgaac catcttttgc 120

tga 123

<210> 10378
<211> 318
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189099a02b1

<400> 10378

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gccgaagaag agcaagaaga gcaagagcaa gcgggtcacg ctcaaggcga agcacaaggt 180

gctgcgcaag gtcaaggagc accaccgcac gaagcgcacg gaggcgagga aggagggcaa 240

gaccggccgg agcaaggtcg agaaggaccc cgggatcccc aacgagtggc ccttcaagga 300

gcaagagctc aagaacct 318

<210> 10379
<211> 225
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189099a03b1

<400> 10379

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gcgcctagcc ggctcttgaa tttcagcgca cgcggatctg gtgggaggag ccccgtgggc 180

gccgctgcct gggcgatgtc gagggtccgg gacaggacgg aggac 225

<210> 10380
<211> 226
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189099a04b1

<400> 10380

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cgcggggcac atcccgtacg aggttagctc accttatcag ctcgagggtg cacggttgac 120

gcgcctagcc ggatcttgaa tttcagcgca cgcggatctg gtgggaggag ccccgtgggc 180

gccgctgcct gggccatgtc tagggtccgg gacaggacgg aggact 226

<210> 10381
<211> 294
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189099a05b1

<400> 10381

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gtacacatgt cctacttggg gaaaatcaga acagtgcacc cggagtacac tgatgctaaa 120

gaaagcctcc tgcaagctgc taggaaggca ccggctgcag atcttggctt taggattcag 180

tgcaatcaat gggctctcat agaaaggctg cttcttgggg agatcccaca gaggactgct 240

tacatgcaca aaggaatgaa agaagctttg gcaccatatt ttgagcttac aaat 294

<210> 10382
<211> 230
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189099a06b1

<400> 10382

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tcccagctca acctcgccgc cggagacctc aagaagttct accaggggcg gagcgggcgg 120

cggacggcga gcgtgaacgt gaaggggaac aaggtgccgc tgtacggcag cgggccgacg 180

ctgatggcgc agccggcggg gggcaagggc ggcgccggca aggtgatccc 230

<210> 10383
<211> 413
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189099a09b1

<400> 10383

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tggcctcccc gcttcccgtt cccaccgacg acaggagcga gcagaggacc gcgatgcagc 120

agccgcagct gcaggcgccg ccctcgtggg cgtccgggcc cgaccccgcc cgccctgctc 180

ccaccacctt cgacgaggcg tccatggagc ggagcaagag ctttgtcaag gcgctccagg 240

agctcaagaa cctgcgccca cagctttact ccgccgcgga gtactgcgag aagtcgtacc 300

tccacagcga gcagaagcat attgtgctgg acaacttgaa agattatgct gttagggctc 360

tggtcaacgc ggtcgaccac cttggcaccg ttgcctacaa attgacagac ctg 413

<210> 10384
<211> 212
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189099a10b1

<400> 10384

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cctcggcctc cccgattccc gttcccaccg acgacaggag cgagcagagg accgcgatgc 120

agcatccgca gctgcaggcg ccgccctcga gggcgtccgg gcccgacctc gaccggcctg 180

ctcccaccac cttccacaag gcattcatgg ag 212

<210> 10385
<211> 276
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189099a11b1

<400> 10385

tgttcgcgac tccggccaga ctcttcttct gtagaaagct agcgaggctc ggaggtgagc 60

gaaaatgccg gtcagcagga tcgccgcggg gagccaccgc gaggtgtacg aggtcggcgc 120

cctcaaggcg gcgctcgccg agttcatctc cacgctcatc ttcgccttcg ccggccaggg 180

ctccggcatg gccttcagca agctgagccc cgacggcgcg gcgacccccg acagcctgat 240

ctcggcggcg atagcgcacg cctttcgcct gttcgt 276

<210> 10386
<211> 345
<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189099a12b1

<400> 10386

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cacgacgggc cggcggatct gggactggga gacgcggctg cgctggcggc ggtccgttgg 120

ttggtggcgg accggcagag cctcagcgac catcgattgg aggcgagggg attgggggcg 180

agcaatctac ggcgaaagaa aacggaggga cgatcggagc ggcagagatc gatcgggggc 240

cagcagcagc acctcagatc agaagctgcg atccacaaaa ctaagaaagg cctgttgtgt 300

ttgtgcctcc gccatgtctg aacatcaagg ttgggcagat ctacc 345

<210> 10387
<211> 345
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189099b01b1

<400> 10387

tggaacagat agtcttgaag ttaggccatt tatcatgcat ggagtcaatt catctgtatt 60

tgttcctcgg catctatatg atgcattgga tcggaaaact gtaagtaccg gtaacttagc 120

tcaaccacca taccagcacc cagatttgtt gtcatcgagt caacaaaatc aaggtacaaa 180

ttttggaaat caatctcagc ctcatgatgt gccacagttt catcctcatt cccattccca 240

tcctccggag gcatttagaa gctttgcccc cagcatgcct atagctcccc cccaaaatcc 300

attccaagga caaggaggta gtgcagcagt accaccagtt acacc 345

<210> 10388
<211> 267
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189099b02b1

<400> 10388

tggcacgcgt ccgcgcaaac tcgttgcaca agaatttcta ccacccccac cgacttgccg 60

ccgccaccac cgccgcagct agatcagaag aaaaaaagag agagaagaac tcgtcgggag 120

ggctcgagat ctgtgtcggg agagagggaa ttcttgagat cggaatcgga acaagcgggc 180

gcgctcggga tcagggttac catacaattg ttcccaggaa cctttagtga atgcgctaat 240

ggagtcaaag ggtggcaaaa agtctag 267

<210> 10389
<211> 338
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189099b04b1

<400> 10389

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gaggtgggag gggggccggc tcgccgggag gatccttgta caggtaggct gcctaggtgt 180

cggggtggcc tacttggcgt cgtcctcggt cccggctggg tggcgatggt ggcggggaca 240

cctgcgcctg ggttctgcat ctgctgctgc atcgcttcgt cggcttcgtc ggtgtggacg 300

gttgcaggtc acgtgctttc gtgtgcgttg gatcgagt 338

<210> 10390
<211> 430
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189099b05b1

<400> 10390

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agttggtcat tcagtcagtc agtcaattcg cgcagtgcgg tcagtctcag tctcagttca 120

aaggcgagtt gcgcgtgcgt tggatcgtcg acctagtgct tcagtcctgg tgccaatcgc 180

gcatcctttc gagctcgagc cctcggacag ccgtttgagc gtcggtttga cgaggtgcta 240

ggtgccagtc ccatctgcct gcagcagcac cagcatcgcg ccttccctca caagccgctt 300

cttagtgagc tccacgtgcc tcgactgccg cctggtccct ttgcgcgata gcgtgccggc 360

gcatgtgatc acgcctctca actgagcaat ctatcttctt cgcgtctttc accacattgc 420

tgacggacgt 430

<210> 10391
<211> 262
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189099b06b1

<400> 10391

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ggcgagttgc gcgtgcgtcg gatcgtcgac ctagtgcttc acctgctggt gccaatcgcg 180

catactttcg agctcgagcc ctcggacagc cgtttgagca gctgcttgac gaggtgctag 240

gtgccagtcc catctgtctg ca 262

<210> 10392
<211> 136
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189099b07b1

<400> 10392

cccacgcgtc cgcccacgcg tccgcccacg cgttcgccca cgcgtccggt cggttcttgg 60

tttgctgtgg acatgtaatt taataccctg gagatttatc atgaatgttc aattgtgttg 120

tgccggaact agtcac 136

<210> 10393
<211> 220
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189099b08b1

<400> 10393

ccaaatccaa tctcgagccc ccctctcccg tccgtccgtc ccaacccgat ccgatctccc 60

ccctcctcct ccgtcgccat gggccgcaag ttcttcgtcg gcggcaactg gaaatgcaat 120

ggaactgtcg aacaggtaga gagtatcgtc aatactctga acgctggaca gatcgcctct 180

acggatgatg tcgaggttgt cgtcagcccg ccctatgtct 220

<210> 10394
<211> 339
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189099b09b1

<400> 10394

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tcgtccccaa cggcgtcgtc agcttctacg aatcgatttc caagtttgga tctggactgt 120

tccttctcgc tcaggttgtt cttctgttgg acttcgtgca cggatggaat gagaactggg 180

ttgctaaaga tgaacagttc tggtacatgg cactgctggt tgtctcagtt gcttgttata 240

ttggctcatt cgctttctct ggtctactct ttcactggtt cactccatcg ggacaggact 300

gcggactcaa tatgttcttc attgtctcca cactgattc 339

<210> 10395
<211> 384
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189099b12b1

<400> 10395

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caccagccat gggtaaggag aagactcaca tcaacatcgt ggtcattggc cacgtcgact 120

ctggtaagtc gacgaccact ggccacctga tctacaagct tggaggcatt gacaagcgtg 180

tcatcgagag gctcgagaag gaagccgctg aaatgaacaa gaagtctttc aagtacgcct 240

gggtgcttga caagctcaag gccgagcgtg agagaggcat caccatcgat attgctctct 300

ggaagttcga gaccaccaag tactactgca ccgtcattga tgcccctggt caccgtgact 360

tcatcatgaa catgatcacc ggta 384

<210> 10396
<211> 262
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189099c01b1

<400> 10396

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agagcgcagc cacatttgag tgcaacatat gctttgagat gggcggcgag ccggtggtca 120

cttcttgtgg ccatctgttg tgctggcctt gcttatacca atggcttaat gtttactcca 180

accacaagga atgcccagtc tgcaagggcg aagtgacgga ggcgaatatc actcctatct 240

atggtagagg gaattcttgt tc 262

<210> 10397
<211> 278
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189099c02b1

<400> 10397

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gatacatctt tgtctgcaac aatgatacca tgcaggagga tctcaagaga cagctttttg 120

gcttgccagc aagatatcgt gattcagtcc gagccatcac tcctggtcta cctcttttcc 180

tctacaacta cacgacccat cagctacatg gggtgtttga ggctgctagt tttggaggat 240

caaacattga tcccaccgct tgggaagata agaagtgc 278

<210> 10398
<211> 202
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189099c03b1

<400> 10398

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agcacgccgg cgccacctac ggccctccgg actaaatcgg ctgagcggaa acccgtggtc 120

ggcttcggcc acggcgccgg cgccccctcc tcctctgatt ggatgacctg ctggaaggag 180

atggcgaaag aagcacctgg at 202

<210> 10399
<211> 414
<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189099c04b1

<400> 10399

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attgaggaga actgggacaa ggttaagaca atctttgttc caacagagaa gccaatgaca 180

cttgatgcat gcgctccatt gattgccact cttcccttgg aagtccgcac gaaaataggc 240

gatttcatta gagggtcatt ttctgttttc caagacttgg atttctcatt tatggagatg 300

aacccattca ccctggtaaa tggtgaacca taccctctcg acatgagagg tgaactggat 360

gacacagctg ctatcaagaa ctctaagaag tggggtgaca ttgaattccc tcta 414

<210> 10400
<211> 299
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189099c06b1

<400> 10400

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tcgtcgacct ctttccgtcg tccaggttgg tcaggtggct gaccaacgac gagcgccgca 180

tgaaaagaag ctacaaccgc acccagcgca tcatcgccaa ggtcatcgag ggtcgcaagg 240

ccactagagc tgccagcgtc agcgcttccg gagcctatga ggaggacctg ctggacgtg 299

<210> 10401
<211> 225
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189099c07b1

<400> 10401

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gacaacccac tcatcgacgt ctcccgtggc aaagctatcc atggtggcaa cttccagggc 120

acacccatcg gtgtgtccat ggacaacacc aggcttgcca ttgctgcgat tggcaagctc 180

atgtttgctc aattctcaga gctggtgaac gacttctaca acaac 225

<210> 10402
<211> 365
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189099c08b1

<400> 10402

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gcaggccctc ttcgccgtgt tcgacggcca cggagggaag agcgccgcgg agttcgccgc 180

ggagaacatg ccacggatcg tggcggagga gctggagagg tcggcgcgcg gcggaggggc 240

agggcgcgcg gcggtggagg gcgccgtgcg gcgggcgtac ctgcgcaccg acgaggagtt 300

ctgctccacc tcctccaaga accgggagca ggcgggcggt ggcgcctgct gcgtgacggc 360

gctgc 365

<210> 10403
<211> 280
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189099c09b1

<400> 10403

tatcgcccac gcgtccggga gactagagca ccggcctcat gagcgccctg aagcactgta 60

ggaaatgcga caacatgctg tacccacagg aggacaagga gatgcacacc ctcctctacg 120

cttgctagaa tcgacagcac caggagatag ctactgatac tagtgtgtac aaaagggatc 180

ttgggaaatc tgctgatgaa cctaaagaca ccctaaaaga cgcaggtgct gacgcgtgtc 240

tgccacgcac cagaagtgtt aaatgctaca actgaggcta 280

<210> 10404
<211> 441
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189099c10b1

<400> 10404

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ccagcttgtt gtgaaggact tgacagaaga atttgttggt gaatatatat acccctgctt 180

gcgtgctggt gcagtttacg aaagaaagta tctgcttggg acttccatgg ctaggcctgt 240

tattgctaag gcaatggttg atgttgccaa ggaagttggc gcagatgcag ttgctcatgg 300

gtgcactggg aagggcaatg atcaggttcg ctttgagctt acattttatg ccttaaatcc 360

ggaacttaaa gtggtggcac cctggaggga gtgggatatc acaggacgtg aagatgcaat 420

tgagtatgca aagaaacaca a 441

<210> 10405
<211> 399
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189099c12b1

<400> 10405

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tagcttgaca acagtggatc tctcctttaa ttctcttact ggtgacctac cagaaggttt 120

aagttcactg tcaagtgtta agactctata tttgcagaac aatcagttga ccggttctat 180

caatgtccta gctgatcttc ccctttctga tctgaatgtt gcaaataacc gcttcactgg 240

ttggattcct agtcagctta agaagataaa tagtctacag actgatggta attcttggac 300

tacgggacca gctccaccgc caccgccatt tacagctcca ccttcaaacc gtcggaagag 360

cccagctaaa aaagacaatg gttcatcatc ttctgatgg 399

<210> 10406
<211> 305
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189099d01b1

<400> 10406

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catggagctc tgcgccgggg gcgagctctt cgaccgcatc atacagcgcg gccactacag 180

cgagcgcaag gccgccgagc tcaccaggat catcgtcggg gtcgacgagg cctgccactc 240

gctcggggtc atgcaccggg acctaaagcc cgagaacttt ctgctcgcca acaaggacga 300

cgacc 305

<210> 10407
<211> 154
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189099d02b1

<400> 10407

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gccctcaagg aagcccgtcc ctttcgacct cgacctgaac tgcccgccgg cgggggagct 120

ctgatcgggc gccggagtct atgtagctga tatg 154

<210> 10408
<211> 191
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189099d03b1

<400> 10408

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ggctggaggc a 191

<210> 10409
<211> 437
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189099d05b1

<400> 10409

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gccgtagccg cagctagcaa gccgagcgga actggatccg gcgcgggagc aggaaccgcg 180

cgcgcgccgg ggctatctcg agggagaaga aatgtaagcc gcagataccg tcgatcagct 240

gaattacagg ccatcttgag agctggatag tactgaaaat gggtgtatgg agcttcaaga 300

ggaaagctct gatgtcgggg ctctggtctc agcaccatca aggaacctgt catcctcttc 360

ctccacattt gtttctgcca accagtcacc tttcttcaca ccacggtcac tgtctgcttg 420

tcgcccggag catgctc 437

<210> 10410
<211> 448
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189099d06b1

<400> 10410

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atccctctgc gccctcgccg tccgcggatc aaccgatttc gcacgcaatg tctcagactg 120

ttgaactcag ggttggcatg tcatgtgagg gatgtgttgg agctgttaag cgggttctcg 180

gcaaaatgga aggtgttgag tccttcgatg tagacatcaa ggagcagaag gtcactgtga 240

agggtaatgt gacgccggat gctgttctgc agactgtttc gaagacaggc aagaagacat 300

cgttctggga ggctgaaccc tcggcatctg ctgtttcgtc ctaaaaaggc atctctaata 360

tgtaaactgt gaagtttaat gtaacaatgg cccagttgaa atgctttgca aggacatgat 420

cttctggtcg gatggtatat gcaccatg 448

<210> 10411
<211> 247
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189099d07b1

<400> 10411

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ggccaccaat gacgacaact ccgtcgacgc cctccacccc gacaccatgg ataggctgca 120

gctcttccgc ggcgacaccg tcctcctcaa gggtaaaaag aggaaggaca ccatctgcat 180

tggtcttgct gatgacacat gtgaggagcc gaaggtcaca atgaacaaaa ctgtcaggaa 240

gaacttg 247

<210> 10412
<211> 351
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189099d08b1

<400> 10412

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gccaccaatg acgacaacta cgtcgacgcc ctccaccccg acaccatgga taggctgcag 120

ctcttccgag gcgacaccgt cctcctcaag ggtaaaaaga ggaaggacac catctgcatt 180

ggtcttgctg atgacacatg tgaggagccg aaggtcacaa tgaacaaaac tgtcaggaag 240

aacttgagag tgagactcgg tgatgtggcg tctgctcatc aatgccccta tgtgaaatac 300

gggaagcggg tgcacatact tcctattgat gacacagttg aagggattac a 351

<210> 10413
<211> 352
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189099d09b1

<400> 10413

tgcccgccgc cgcctcctct cggctccttc ttccttcgag tttcagccat gggtaaggag 60

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ggccatctga tctacaagct tggaggtatt gacaagcgtg tgatcgagag gttcgagaag 180

gaagccgctg agatgaacaa gcggtcgttc aagtacgcct gggtgcttga caagctgaag 240

gccgagcgtg agaggggtat caccattgat attgccctgt ggaagttcga gaccaccaag 300

tactactgca ccgtcattga tgcccctggt caccgtgact tcatcaagaa ca 352

<210> 10414
<211> 367
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189099d11b1

<400> 10414

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gctccgtcgg gaccaggtgg gccgtcctcg tcgccggcta cagcggctac tacaactacc 180

gccaccaggc ggatatttgc cacgcctacc agatattgaa gaagggtggt ctcaaggatg 240

agaacatcat cgtgttcatg tacgatgaca ttgcgcacaa cctggagaac ccgaggccgg 300

gcgtcatcat caaccacccc cagggtggag atgtctatgc tggggtccct aaggactaca 360

ctgggaa 367

<210> 10415
<211> 314
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189099d12b1

<400> 10415

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agcggcaatg gagggcaagg aggaggacgt gcggctgggc gccaaccggt actcggagcg 120

gcagccgatc gggacggcgg cgcatggcgg cggcgcggac gacaaggact acaaggagcc 180

gccgccggcg ccgctgttcg aggcggagga gctgacgtcg tggtccttct accgcgcggg 240

gatcgccgag ttcctggcca ccttcctgtt cctgtacatc agcgtgctca cggtgatggg 300

cgtggtgggc aacc 314

<210> 10416
<211> 199
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189099e02b1

<400> 10416

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atggggatgg ctcccggcgg catgcctggc tccagctaca accagatggg tgctggatat 120

ggcggccagc agccatacgg cgggtacagg tgagattaca cagcggggga tctaacagcc 180

agggtttgag aaaacagtt 199

<210> 10417
<211> 280
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189099e03b1

<400> 10417

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cgccgccgcc acggcagagg acgccttatt cccccgccac cgcccctacc atcgtcaata 120

cccggcacca cctacctgta tctacaagtg tctgaccccc accaccacac atccggaccg 180

atatccgaag gcaaggggag agaacaggag ctagagaggc ggggggggcga tggcggcggt 240

cggcgttctc gccctgcagg gatcctacaa cgagcacatg 280

<210> 10418
<211> 71
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189099e05b1

<400> 10418

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ggcgaccatg g 71

<210> 10419
<211> 405
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189099e06b1

<400> 10419

actgccaccc tcgccgtctc gccgccgtca ccaccgcatc ttgataagag aaaaaaagag 60

agagaagaac tcgtcgggag ggctcgagat ctgtgttcgg agaggggaat tcttgaggtc 120

ggaatcggaa caagcgggcg cgctcgggat cggggttacc atacaatttt tcccaggaac 180

ctttagtgaa tgtgctaatg gagtcaaagg gtggcaaaaa gtctagcagt agtagttccc 240

tgatgtacga agctcccctc ggctacagca ttgaagacgt tcgacctgct ggaggcgcca 300

agaagttctc tgctgcatac tcgaactgcg cgaagaagcc atcctgatat cgattttggc 360

atccccttcc cgtagtttag gatttttatg caattttatt ctgac 405

<210> 10420
<211> 317
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189099e07b1

<400> 10420

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gagcggcagc cgatcggaac ggcagcgcag ggcgcggacg acaaggacta caaggagccg 180

ccgccggcgc cgctgttcga ggcggaggag ctgacgtcgt ggtccttcta ccgcgcgggg 240

atcgccgagt tcctggccac ctttctgttc ctgtacatca gcgtgctcac ggtgatgggc 300

gtggtgggca acccctc 317

<210> 10421
<211> 176
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189099e08b1

<400> 10421

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aagcagaggc aatggagggc aaggaggagg acgcgcgtcc gggcgccaac cggaactcgg 120

agcgggagcc catcggaaca gaagcacaag gtgcagacga caaggactac aaggag 176

<210> 10422

<211> 341
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189099e09b1

<400> 10422

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aacatgaggc tcgcggtggt tctcctctgc gccctggtgg ccgtccaggt cgcgctcctc 120

gccgccccgg cggaggccgg cgagctggtg gtcgggtact acgacaagaa atgcaggggc 180

gtggagaacg tcgtccagtg gcacgtcagg agggcgctca agaccaaccg ccgcgccggt 240

gccgccctcg tccgcctcct cttccacgac tgcttcgtca ggggttgcga tgcctctgtg 300

ctccttgacg cgtcccccga gaaccctcac ccggagaagg a 341

<210> 10423
<211> 396
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189099e11b1

<400> 10423

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gggttaatcg ttttgccaat gctggcgata ctgctgtggt ggttgctgag aatacagcag 120

ttaaggcagg ctaaaacaga aattgtcaat gctagtagag tagcatatag atttatggca 180

ggcctgactt cgaaaaacca ggcttcccaa gagtctcctg gtgaacaaaa tagaggcagc 240

cctactttcc aaggaacatg gttcaagaat gttgtttcag ctggggcgaa gccatctaca 300

agtgggtcga ctccctcaca agaagatgac gacacccccc ccttgcagcg ccaacaatca 360

acagagcaac caacaaggtt gtagccgctg tcacag 396

<210> 10424
<211> 72
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189099e12b1

<400> 10424

ttttcgattg aatgtgtgat gatttttcg tgtatgaacc tattgtgacc ttctgctagg 60

gtttgtgacg ct 72

<210> 10425
<211> 262
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189099f03b1

<400> 10425

ttcttcacgc gttcgtcacg cgtccgctca aggcgctatc tagctggttg tagaatagac 60

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gtcctctggc tcatcctcgc gctggtcgcc atcaccagcg gaggagcgtc agcgcagcta 180

tcgtcgggct tctactcccg ctcgtgcccg ggcatgctca aagccgtgcg ctcggcgctg 240

cacccggcca tcgccaggga gc 262

<210> 10426
<211> 398
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189099f04b1

<400> 10426

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tgaataacca tttttccatg ccttttgcat tctaagcagt ataattcaga ataacggttt 120

ctgtttcctt tagtgtaaca tgggtgcaaa gaatcatgcc attatccttc ctgatgctga 180

tcgagatgcc acattgaatg cccttattgc tgccggtttt ggtgcagctg ggcaaaggtg 240

catggcattg agcactgctg tttttgttgg aggttcagaa ccatggtaga gttctacgat 300

ttctatccaa gacaagtttt ttaggctaaa gtttttttttt ggggtcagat tttgaggaag 360

cattgtcaac cttatctttt gttttaggga ggatgaac 398

<210> 10427
<211> 360
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189099f06b1

<400> 10427

tgctgacgcg tgggttcaga gctcaactgt gacatatggt ggttcaaatg gggcatgtta 60

tatgtcttca acgactagga ggagtggtgg agatggggta gttacaatgg aagaaagtaa 120

ggaagcagac acaacaagtg gtaaagcaac tcacaggatc gcacgtggca ttggcaataa 180

gggtcatgca ctgactagga aactgaactg cgatggaaaa gttaacacca tgcaaacttt 240

gcagaacttg agtgaagatg agctagctgg gtttgaggaa tcatggcaaa ggaatgcagg 300

gccttgtctg cctggttggg atcccagatt aaacatgctt aacagtggaa ctcttagccc 360

<210> 10428
<211> 339
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189099f07b1

<400> 10428

tttgtcgcca cgcgtccgcc cacgcgtccg cgtcaaccga aaaatccgcc ccatcttgag 60

gtgctgggtc actgctgggc taagcaacac ggccaaccac agcgcgaatc ccccaaagaa 120

aaaggcttcg tttcagaaat caagaggttc acttgttggg ttctcgctgt cggagttcgg 180

cggcggacgg agacggagtc gtagtcggag cgagaggtct agctggtggc tgcggaggcg 240

aggcccggag gaagcggctg attgagtaag cgcgtctagc acaggaacca agaggaggaa 300

gaggaaccca atccaatcat ggactcggag cactggatc 339

<210> 10429
<211> 279
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189099f08b1

<400> 10429

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cagatcgagg acctggagcg cgccggaggt gtcgagcccg gcaccctcac cgtcgacggc 120

gtccccgtcg acagctacct caccatgttt gtgtgggacg agggcaagta ccccgtcaac 180

gccccgctca aggagaccgt cgccagcatc cagtcccagg tcgccaagat cgaggacgac 240

atgaaggtta gagttgctga atacggtaat gttaagagc 279

<210> 10430
<211> 323
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsrow189099f10b1

<400> 10430

ncgcagcccc caatcctcag atccgcctcc gctccccttg caagtccacc ccccccccc 60

cctgcccacc gaggcgcgca cgcacgcacc cggccaccgc ccacccggat ccagatccgc 120

gcggcggcgg cggcgcaggc gaaggcgaag gcgaaggagg gagcgatggc cggcggcggg 180

ggcgccggcg gcttgtcgga gtcggtgatg cggaaggtgc tgctgcccta ctgctacggg 240

gcggtgtgga tctaactctc cttcgccgtt atcgtctaca acaagtacat cctggacccc 300

aagatgtaca actggccctt ccc 323

<210> 10431
<211> 148
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189099g04b1

<400> 10431

acctcatgaa caagcgcagg aatatatcca tccatgtaca tttgcgagca taccttcctt 60

gccttcctcc gagaggtcca ttgcaatcca gaaaccttca agtatgggca gatctgcaat 120

ttctcaggcc cttccggtgc accaggaa 148

<210> 10432
<211> 147
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189099g05b1

<400> 10432

acctggtgcc cgcagcggca gaaagaggag agagcgcctt tttttggtgc acgtcaactt 60

ctaccgcaac tatggtaaga catccaagaa accaaggcgt ccttatgaga aggagcgtct 120

tgatgcagaa ctaaagctgg tcggtga 147

<210> 10433
<211> 334
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189099g08b1

<400> 10433

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cgcggccgga ctacccggcg gagctcttcc acttcatcgc gtccaagacg gcccgccacg 180

acctcgcgtg ggacgtcggc accggcagcg gccaggccgc agtctcgctg gcgaagctgt 240

acaagaacgt ggtgggcacg gacacgagcg cgcagcagct gggctacgcg cgggagctcc 300

ccaacgtgcg ctacgcccac accccggcgg acct 334

<210> 10434
<211> 304
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189099g10b1

<400> 10434

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tactgggagg ggaagctcat cctgcccttc ggcgaccagc tctggttcag gttcctcttc 120

ggctggctga tgccccccaa ggtgtccctg ctcaaggcca cccagggcga cgccatcagg 180

aactactacc atgacaacca tgtcatccag gacatgctgg tgcccctgta caaggctgga 240

gacgccctcg agttcgccca ccacgagatg gaggcgtacc cgatgtggct gagccctcac 300

cggc 304

<210> 10435
<211> 168
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189099g11b1

<400> 10435

tgcgtacgcc cacgcgtccg cgataccaaa gctcatcttt tttttcttga aatctctttg 60

gttccacaga tctggaggat gtcttgcaac tgcggatcag gctgcagctg cggttcacac 120

tgcaagtgcg ggaagatgta ccctgatctg acggagcagg gcagcgcc 168

<210> 10436
<211> 74
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189099h05b1

<400> 10436

atcgtccaga ggcggggccg ctctggacct gtggcgccgt tttggcgtaa tatagcttct 60

gggctagatc cggt 74

<210> 10437
<211> 311
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189099h06b1

<400> 10437

actgggcgac agcaacggcc acgtcggcct cggcgtcaag tgcgccaagg aggtggccac 60

tgccatccgt ggcgccatca tcctcgccaa gctctctatc gtgcccgtca ggaggggcta 120

ctgggggaac aagatcggcc tgccccacac cgtgccctgc aaggtcaccg gcaagtgcgg 180

ctccgtcacc gtgcgcatgg tgcccgcccc caggggttcc ggaatcgtcg ccgcccgcgt 240

ccccaagaag gtcctgcagt tcgccgggat tgatgatgtc ttcacttcct cgcgtggatc 300

caccaagacc c 311

<210> 10438
<211> 254
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189099h07b1

<400> 10438

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cgacctcttt gacaacaaga agaaggccaa caacatcaag ctgtatgtgc gccgtgtctt 180

catcatggat aactgtgagg agttgatccc tgagtacctg agctttgaca agggcattga 240

tgattcagag gacc 254

<210> 10439
<211> 289
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189099h08b1

<400> 10439

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gacggtggcc gtagcggccg tggccatggc atcgccgcca tggtctagat gcacatacaa 180

catcgaataa ccaggaaatc ttctcccctc agtagtgcaa aagcttggag ggagagagat 240

cagagtgagg agatgagtga gaggagctta agttcaaaat ttaacccct 289

<210> 10440
<211> 245
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189099h10b1

<400> 10440

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gtctatgata catgagtact tcctttctga tgatatacca gagcttattc gcacactcaa 180

agaacttggt ttaccagagt tcaacccggt ctttatcaag aaactgatca caattgccat 240

ggacc 245

<210> 10441
<211> 262
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189099h11b1

<400> 10441

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caacacagga aaaagagtgg actcatagat gatctgggta tcgaggatat gatgatggaa 120

gctctcgaga aagttgagaa ggacattaag aagcctctgc tgaggagcga caagaagaac 180

atgaatctcc tattggcaga ttttgacaag ataaacataa agctcggcat tcggaaggag 240

gatcttccca agattgagga aa 262

<210> 10442
<211> 474
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189101a01b1

<400> 10442

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ttgctgatta aatacagccc gatgggaaaa gttatccaac gcaaaattac cttgaaaacg 120

ccaatttaaa tggcgcaaca tatttaaatt aaattccgcc gttacccctt gggcatcgtt 180

ataggcggct tctaaaatat cagcaggttt gcataaatcc acccctaata aaaagtaatc 240

ccctgggtct aacgcttgac ctacttgttc aaagaatact tgacaatctt caggggaaaa 300

attaccgaga gaactgccta aaaatgccat caaacgatgg ggataattat gatcgggcaa 360

tgatgccaac gccaactgat aagtacttac taaaccttgc accgttaagt ggagataggt 420

agctaaaata gcctccgcat tttctcttaa aatcgcttca ctgatatcaa cggg 474

<210> 10443
<211> 529
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189101a06b1

<400> 10443

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tgaaaaaata aaggatttca gacagttctt agttagcttt tttggcactc tcggtttaaa 120

gtgtaatcaa gctatcattc ggtgtgaatt atgattcaaa ctaagagtat tgaccatcat 180

caacaagtgg gaggtagcag tcatcattag gggcaaaata ttcttgccct tgattagatt 240

ctctataatc agcatataat cgagcgtctt cttcttgata gtctgacatt aagtattttt 300

catatagacc atcgaatact ttgggtgaaa tataaatatt ggtctttctt aactctctaa 360

ggcgttctcg gcatacattg aattcacttt ctatggtcac cattagtttg ttttcacaga 420

gctccttgat atattcatca ctttttttct ttacatacaa aaattttatg ctttcttcga 480

ttgaatgcat ttggtgaaat aaacttgcca tgctattcat tatatacat 529

<210> 10444
<211> 521
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189101a07b1

<400> 10444

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accgtagagg ctgaaacggt ggaatcgcct ccttccctgg aggatgtttt tggcgggttg 180

accgccgatg aactggggaa agaatccctt tctcccgtgg ctgaggtgga ttttgtcgat 240

gcttccctag aaacgttatc tctggtgcag gcggtagagg aagcctttga ttccttgccc 300

cccttagcaa cgaccccagc gaccattccc caggctgaag tagaggcagt ggcagctccg 360

gctcctcccg tggaacgcac ccatgaacgg cgggccatgc ccagggagca aaatccagct 420

aatctttcca tccgggtgga ttttcaacgg ttggagcgga tgaataattg ggtgggggaa 480

ttggccatta atcgcaatag cctgtcttta caaaatcagc a 521

<210> 10445
<211> 426
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189101a09b1

<400> 10445

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acccattgcc agtggtggtg gtagctctgg ccctagtctg ggctccggcc aacccagagc 120

agaacggccc ggtggcggca atgcaggggc aaatgttggt cccattgcgg ccaatcccgt 180

tgctagtagt gctcccccta aaccgaaacc aactcccagt tcccccgcta agccagaccc 240

cttaaagtgc gttagccaat gtaaacccag ttatccctcc atcctccagg gggaagaagg 300

tagtgctaca gtattaattt cagtaaatga tagtggtggt gtgaccagcg taaccatcac 360

caatgcccac ggcaacagcg aggtcaaccg ccaggcccta ttggcagcca gaaaaatgca 420

gtttac 426

<210> 10446
<211> 477
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189101a10b1

<400> 10446

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caaccagaac catggtccac tggcggccta ggggataggg atgaatggga gctggcccca 120

ccggccgggg aagcttgtta tcggcaaccg gagctggaag ggctactcca ttccctttat 180

tccgctcggt cagtgttggt gacatcgggg gaaggcatgg gcaaaaccta tctggtgcgg 240

caggtgtggg aacgactgtt atccgatggg gtgacgtgcc aatactttga accagctacc 300

cccaaaaccc tcctgatggc gatggcttag tattagcaac ggaaaaaatt tggtcgttaa 360

ggctgaaagc tttatccagt aatgcttcca gacatcaaat tttataattt atctgaatca 420

ttactgtccc attcatgact ataagtagga caacttcacc gcctaattac cggaaaa 477

<210> 10447
<211> 183
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189101a11b1

<400> 10447

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atggggttga tgtaaccctc caggcgatcg ggcggttcat cgtcgaggta aatggtttcg 180

gta 183

<210> 10448
<211> 440
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189101a12b1

<400> 10448

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ctctgtgaga gcctgccgtt gtaatttttt ttgctgttgc aatgcttgca ctaatagttg 120

caaacggtta gtgttaggaa tgcgtctttt gcctagcacc atttgtccta aatctaagca 180

aacttccccc agagcattaa acgcatcttc cattaggatt tccactgttt gtaattgggg 240

tagattgtgg aaattaacaa tttcattgag caacattagg catttattta atctttccgt 300

atgctcgatt aaaactaata ataattccct taatttactt tgtccccata atcctcgctg 360

gctggccacc agagtttgcc gagatttaag caagttttga cgcagtttga ccaccaattg 420

ctgagcttgg gggtcatcgg 440

<210> 10449
<211> 153
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189101b01b1

<400> 10449

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gggaataatc acctacctag caaggaatgc caacccttaa gaataggttt tatttcattg 120

gccttgattg ctaaatatgt tcacacaaca gcg 153

<210> 10450
<211> 449

<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189101b02b1

<400> 10450

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acgaattacc cccattacca gggtgccatt ggcgttgttg tagtccgcat tgggtaccac 180

cacaataccg ggggtaatgg aaagattgtc actcactgcc cactggaaaa agccttctag 240

gtgcaaggaa ctgtcaatgt cagtggtggc aatgtcatcg gggaagacaa tggaactact 300

gctcacccag ggttgcatac ccacaataat ccccgccata ttcccttcct tgataatgtc 360

ggggaaagcc agggtcacag cccaattcca aatatctaaa cttcctctac caatgctggc 420

atccgccaga tctatagatt tgagggtgc 449

<210> 10451
<211> 450
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189101b04b1

<400> 10451

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ccccaatggt ttggagcttc tagtcaagct aaaaaagtaa aaactctaac tctccaaagt 120

ttaattgacc aagaaaaaat tgacaaaatc acctgtctaa aactagatat tgaaggttgg 180

gaatgggctg taattaaaca gctagaaaat atagaatcct atttactgcc tgcggtagtg 240

atgtttgaat atggcggcgg cgtcaaccga ggtcaaaacc aaaagggttg ggccccagaa 300

ttctttgaaa atacattaaa cattcttaaa tcattaaaaa ctcttggcta cggctccgga 360

attttattgg attttgctcc agattgccaa gaaataacct ttgatttaag ccaattgcaa 420

acatctgagt tggataaact tttccccccct 450

<210> 10452
<211> 495
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189101b06b1

<400> 10452

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gttgccttgg gaatgggtaa ggaggcaatc aagctgacca ccggcaatga ttcgttgcca 120

aaatccccca caaatagtgc caagtctacg ccgatcgcct ggagagcttg gtggtccgcc 180

aattcccatt gttcatggat atcccccaca acggccaggg tagtggttgc ggtaggttgg 240

ggggccatca gctctcttcg ctttccgaca tttctgccaa ttcttcttcc ccagaaggag 300

gcactagggc cacagcggcg atcgcatcat cggcatctaa cctttgtacc cgcaccccag 360

tggcactacg ggattggggg gaaatatcgt tcacggactg gcggataata atgccccggt 420

tggtgacaat catcaactcg tcatcggcgt tgaccacatg gagggccact agctggtcat 480

ctttggattt aaagc 495

<210> 10453
<211> 477
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189101b07b1

<400> 10453

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cggaatgtga tcgttatgtg cgggaaagtc cccgatttta tgatgaaggt actttttcca 180

tttatcaatt ccggcaaact ctccagcaaa cttcccaggg ttatgatgcc caggcgatcg 240

tggaagcgga accagctatt aaggagttgc taaaactaga ttttgaacct aaagttttca 300

atactgtacg gaaaaatttc cgacaaaccg tcaataatac cctaaaaacc catctgctac 360

caatggcaga agaacaagcc caaataattt tagaacagta tgatgtggca aggaaatatc 420

gtgagcaaac gttggaacag gatgccgaag aaaaaattgc tcgcaattcc cgtttac 477

<210> 10454
<211> 296
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189101b08b1

<400> 10454

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atcactaggg cctacagcca gatttaccaa ggcgatcgcc gacaggaatg gggcaaagta 180

aaagaatttt acctgtggca gttgccgtta gtgttgcgac aaacggggat ttacaccatg 240

gcggcctttg gtatttttg cttcgccagt gccattgcct ggtggtatag ctggcg 296

<210> 10455
<211> 428
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189101b09b1

<400> 10455

attgccgtag agtacggaag ccggcccttt gaggacttct atccgttgta gatttgccgt 60

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ttgaaaaccg cgaatattaa atatttcgga tgtaccacca acagtatttc ctctctgcac 180

accactgaca ttttgcagtg cttccgaagc acgaattatt tgcctgtcct ccaacacctg 240

ttggggtacc acttgaatcg attggggaat gtcccgtaag ggagtatcgg ttagagtcgc 300

cgttgtggca tcgtccaccg catagccttc atcctgttca ccggtcacca ctacctggat 360

agcatcattg ccatcctctt catctgccac ccctttccct ggacttaacc ccagtaccag 420

ggattggt 428

<210> 10456
<211> 434
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189101c01b1

<400> 10456

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aaaaatgaaa tggcagacca atgttttcca ctaagtgtag agctatacta cgccatggat 120

tttcaatttt ttctaagagt cttaaatcaa gaacctaagt cagtttggat tcaagaaaaa 180

ctaactcgac tcagatggca tgaggacagt aaaaccatgg gaacaatatc acgaatagac 240

tttcatgcaa tagtgccaga accggaggtg cataaagtag ctctagcaga agctgaaaat 300

ttaccaactt ggctggaaaa aatatttttt cgaatccaag catttgatta tctctctctc 360

caaccttata taaattcctt ggacaatttt cattggttac aaattactaa aaccattgtt 420

aaaagaccta cccct 434

<210> 10457
<211> 441
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189101c02b1

<400> 10457

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aattattacc cccaccccaa tgccaatttt taaccgatag tgaacccctc gggcgatcgc 120

tccaggatta tttgggccaa ccattcaccg tgatgcccat tccccacacg gattttgctg 180

aagttgtacc tttatttaca gaagctgatc ccattctttg ctggtggccc ggtgcccctc 240

gggaagaaaa aggttggtcg gtgatgcgtc atttggtttc attgccccgg cctaattcac 300

ctaggctcca actaattgcg gcggcggctt ccggattaaa aagtgacagg gaaggaattg 360

aagttcattt aattggcgat cgcctgacta gggaagaata cgccggttgg ttaaataaag 420

cccaaattat tctcttaccc t 441

<210> 10458
<211> 500
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189101c03b1

<400> 10458

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aaactcgtca ccgtgaccca catgggctgt tacgagattg ggagttccta gggtcaaacc 120

cagtgccaga aaggaacttg ctaattgaat tgttttcatc acaccacctc aaattgggaa 180

tttgtccaag attttcccag tctgccaaag ggggtatgaa attcaggtga aaatctcctt 240

cccccgctaa gatcagaccg ttataaaaaa ggcagaggcg atgcgaattt tgctggtgga 300

agatgagacg gatttgggaa tggctattaa gaaagtgcta gttagtgaaa agtatgtggt 360

ggattgggtg acggatggct cccaagcttg ggattatttg gaaaatcaat ggacggaata 420

caccettgcc attgtggatt ggttactgcc gggattatcg ggtttggaac tctgtcaaaa 480

actgagaacc cagggtaatt 500

<210> 10459
<211> 408
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189101c04b1

<400> 10459

cgatcgccaa gggttgctaa ctgcaatccc aaaccgggca agatcgctcc ccccaccagt 60

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ggaaagccgt aggtcagccc cgtccctaaa ccagccaggg cccggtcaat gccaaagctg 180

gggtaaagat tgaccagggg aagattcttc agggtcaaaa ttttaggctg atatactcgc 240

caaacttcgg tttgttccgg taccaccgat gccaacatca gaggaacttt ccccaacaaa 300

accggcaact gagctgactt ggggttgtaa tctgtaaccc aggtttgcag gggagcattg 360

ccgctacaat atgcccagtg cagacgggag ttgcctatca ttaggcct 408

<210> 10460
<211> 395
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189101c05b1

<400> 10460

tgcctactgt gatttgagca gcgtcgtatt gccccagggt tgccaaacca agcactgttg 60

ctcctagtcc aaggatgctg ttaacgctca gatggcgaac cgcaggagag aagaaaccgt 120

tgttggtggg ggcagattga accaagaact tatcttcacc acgagtgaaa tcggtaatca 180

cgtcaacctt ggacaaatta acgttgaacc aggagaggcc gagctgggaa tccttaagat 240

tggtgtagtc aaataggtca ttacccatac caccagtcaa aatatcctta tcggcaccac 300

cgataatcag atcattgcca gcacggccat tcaaagtgtc attgccgtga ccgcccatca 360

aagtgtcatt tttttggaag ccaactatgc tgtca 395

<210> 10461
<211> 413
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189101c06b1

<400> 10461

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taaaaaggaa acttctgggg tgcgccgtaa acgcatccgt tgccccagtt ctcgacggac 120

aaagggagcg gcggagtgca gtccagccat ggtggaggct ttggcttcag gggagccgta 180

aatgctaacg aaaatttttgg cgtgctgtag gtcgccggaa acttccactt ccgtgacgct 240

aaccatgcct gtgcccaccc ggtcatcttt gatttcgtgg agaagcattt gactgacctc 300

ccgcttaatt agggacgaca cccgggaaac tcgacgactg gtagccatag acctgctcct 360

cggcaacaaa aaagtccgag cctggacaga ttagcccaaa ctccctctac acg 413

<210> 10462
<211> 263
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189101c08b1

<400> 10462

tgccgattgt ttgcaccatg cccaagcggc gatcgtcatg gtcggtaccg acacagaaca 60

gtttgtcggg ttggggaaac cagagcttag ttttcccgga caaggccccc aatacaatcc 120

gtattttgtg cgccggcaaa cctggctttt gggagaatcc ttaatgttgt tgaatagtcc 180

tgaccaaact ggggaggctc tacaacaggt acttcatgat gttgagcgac tagaggcgat 240

cgtctgtaat ggccgacaaa ggc 263

<210> 10463
<211> 494

<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189101c09b1

<400> 10463

cctccggtta tcacttggac gtcggagacc gcggtgattc atggtatgcc ccccgattac 60

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atggaagttt ttgaacgttg tgttcagcag ggcgagcctt ttgatgttat ctgccaactt 180

caagtgcctg acggacgcag accttggata cgggccattg gcgaggccga acgggacgcc 240

caaggtaagg taattgttgt ccaggggggcg tttcaggata tttcaaccct acgggaggcc 300

caagagcgtt tccagttaat atccaaagcc gccaatgatg tgatctggga ctggaatttt 360

gctaccaatc aagtctggtg gaatgactcc ataacagatc tgtttggcta tgctttgtta 420

gatatggagc cgggactaga atcctggacg ctacgcattc acccggatga caaagagcgt 480

gttctccaca gtat 494

<210> 10464
<211> 315
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189101c10b1

<400> 10464

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gacgaaaatt tcaaaaaata caacgttaat ttaatctggg aatgagaaca ataacctgtt 120

tgtatgagtc attttcattc cttgaacctt attgcttaga acgtgtttag cagttttgtt 180

cagcccccta aatctcttca ctaaagctcc ggcaatactg ggggactttc actcagtttc 240

cccccaaatt ggaggccagg aggacattta aaacaggctc ttaaatgcct ttaacaattg 300

ccccgaagtc tccga 315

<210> 10465
<211> 527
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189101c11b1

<400> 10465

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ctccaagaag tgaatgacat ttaccaaaat gatgccgagc taacaaagtt gctgggttct 120

ctgtatcaac aaacccaaga ttatgcgaca gagtttggtg ctttatctgg tggtaagaag 180

aaggcaaagt cttaggttgt tgaatgtttg ttgagggtta tggctagtac ttgatggcgt 240

aagttcatca attatttaga ggttttaaga tatcagatat caataactgg gtaatgaatt 300

tatgccaagc tctactagtg cgtagctctc ttttttttc tttttaggta aacttatgac 360

aaaaatttat cgctgtaaat taactctcca tgacaatgtt ttttttgcca gtcgagagat 420

gggaattctc tatgaaacag aaaagtattt ccataattgg gcattaagtt atgcttttt 480

taaaggaaca attattcccc atccttatgg cttagtcgga cagaatg 527

<210> 10466
<211> 394
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189101c12b1

<400> 10466

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tgaccaaaaa agtctctgct aatgaatgcg gtattgtgca aatttccctt ggctcaatac 120

cccatactgg ttcaacagaa gtaacgttga taggggtggg gccagcaacg gtgagctcct 180

ttcctttaat ggctaaagca gatgcaccaa aatgttccaa tggtgtggcg accaacattc 240

ctgcggaggg aaaagcacga tatgttccca atgcggaaac gggtaatcaa tctttagtgt 300

ggacggggca aacccctttc acccagtacg acatcacgtt tcccatacca aaggaaagaa 360

agctgaaatc caatgcttgc ggtgttgcca ccat 394

<210> 10467
<211> 338
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189101d01b1

<400> 10467

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cggaaaatct tcaagatccc aaggaaagat ttttatgtca gtgaacagca tccatttggt 120

gggaagggcc ggccgtgacc ctgaagttaa atattttgag tccggtaatg tagtttgtaa 180

cttcaccctg gcggtgaatc gacgcacaag caaaaaggat gaaccccccg attggtttga 240

cctggaaatt tggggtaaaa ctgctgaaat agccggtaac tacgtcaaaa aaggcagttt 300

gattggtatc caaggatcgt taaagtttga ccattggg 338

<210> 10468
<211> 450
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189101d02b1

<400> 10468

aatcccatcg cccatgcgga aatgttagcc atccaaactg cttgccgtcg gctaggccat 60

tggcgattga atgaatgcac cctttacgtt acgttggaac cttgtcccat gtgtaccggc 120

gccattatcc aagcccgttt aggtttatta gtttatggca cccccgaccc gaaaaccggc 180

accatcgaca gcgtgttcga tttggccgcc agcgctgcct ctaaccatca cttacaaagc 240

ttaggaggag tgtgccaaga acagtgccgt gaacagttac aggattggtt tgcccaacat 300

cgggctagga aaaaacaaca atcccttgtt tcctgaaggt tggtattacc ccgttgggac 360

tttgcaacta cagcctttga tgggtatggg aatgttgctt aacgttatct tcagctttaa 420

ccactttgct gtcgttgaga atgcgttttt 450

<210> 10469
<211> 427
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189101d04b1

<400> 10469

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gcaacgcctt gaaaaccgcc gagtccattt ctccagctat tttgttcatt gatgaattgg 180

acaaagcctt tgccggggga gccggttccg gggattccga cggcggtacc tccagccgca 240

tctttggtag tttcctcacc tggatgcagg aaaaaacttc ccctgtattc gttatggcta 300

cggccaaccg ggtcgatcgc ctgccagggg aatttctccg caagggacgg tttgatgaga 360

ttttttttcgt tgacctacct tcttccgaag agcgggaagc cattttccgc attcacctcc 420

ataaacg 427

<210> 10470
<211> 461
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189101d07b1

<400> 10470

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gtaagtgatt atactcacaa ttattccagt gatttttgat atttattctg aacagataat 120

gctaacttaa tagttgagaa ttatttgcag ttttgggaaa accatgacgt tattggattt 180

atcggtgggt cagttggctt ttgtggagaa aattttacta ggaaaccacg gtcaggggtt 240

agttaatcgc ctagaagcaa tgggaataat tcctgataaa ccaattcaat tgctccgcaa 300

ggctggtttg gggggaccac tccacctccg cattggtagc accaccgaag tggccatgcg 360

ccgtagtgaa gcccaattgg tgcagattac cttaggagag tagggcggag atggtgagtc 420

attgccaaag ggggtcagtc cagtccagtc gtccagatgt g 461

<210> 10471
<211> 498
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189101d08b1

<400> 10471

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ttttaatcct tcccgctcat caacaactgg gaaatctagc ttttcatggg atgcccaaag 120

cagtgccgaa cggttcaagt ccccatcaat caggattgtt ggagctttgt tattgaggta 180

ggcggccagg tgaatagagc ttgtggtttt acctacccca cctttaaaag cagtaacggt 240

gataatcatt agatggttaa atatttaaaa gtttagacgt ttaactgtgt aaactttcga 300

atggctaaaa ggggagacgc ttggaagttt aaaatgttgc taagattttt ggcagcaatg 360

tgcaataaaa attactaggg gttaatgagt ctgattgtga ggagcttgtc gaagttcgat 420

tcagacagag tgccaaagtt tttattaggg gtttcaagtg atgactaaaa aaatactagg 480

ggtttgggat gaaagata 498

<210> 10472
<211> 403
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189101d12b1

<400> 10472

tgtagtaaat ttaaccgcat tagctagaat gttaaccaat acctgtcgca cccgtgttaa 60

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tgcaaaggct tggggcgcaa ctaaatccag gcattcttcg acacattgct gaatttcaaa 180

gggatggatt tctaacttaa attgtcccga ctcaatttta gaaaagtcaa gaatatcgtt 240

aattaaacta agtaaggctt cgccactact gcggatggtt tcggtaaatt gttgctgttg 300

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gcgaatttcg tgactcatgg tggccagaaa atcacttttg gct 403

<210> 10473
<211> 390
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189101e01b1

<400> 10473

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aataggtatg gtggaaggtt tttcacgtcg ttcagaattc actctggccc ggggagggga 120

tattacccaa gggaattccc tcaccaatgg tttggactgg ggctttaaac agttgacccg 180

tctctgttcc ctcggagtag tggtgattct cggctggatc gcctgggtgg tttttaccga 240

tgcccgaccg gcgatcgcca agtttggttg ggaattcatc gtcagtcaac aatgggacag 300

cagtgggcaa ctgtttggcg gcttacccta tattttcggc tcggtggtta gttccttcat 360

cgccctaatt tttgccctgc ccttggggct 390

<210> 10474
<211> 374
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189101e02b1

<400> 10474

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tcaatttgga cggtttttac gtccatcggc tagcgttact actccagcat caacccccat 120

taatgttctg acaaaagttt aaatttaat ttatttatga agttctcaat ccccaccaat 180

cctgttatcc ttctactcat agtttttctg ctcaatgcct gtggtaatca aacttcgcca 240

acagatattt ccgttagtcc gaccccgact cctaccgttt ctcctacaga aaatgttgag 300

gagaataaaa ctgaatccca tggaggccag ggaggacagg taattgaaat gggggattac 360

catttagaat tact 374

<210> 10475
<211> 484
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189101e03b1

<400> 10475

cctccacacc cccaaggatg ctgccattat tcaggccatg ctgctgttgg gcaatggttt 60

taatttaaac attattgctg aaggtataga ggaggagccc caagctcgtt gtctctacga 120

tttaggttgc cgagaaatgc aaggttattg gtttagtcat ccccttttcag aagcagaaat 180

tacggctttc ctagcagaag gcaatttcca aagattttgc ctcggttagg gagctttttc 240

gacgaattta gtatagctaa gttcattgat tgcattccaa ctaaacattt gactgcggaa 300

tgtttgccat tgttgataaa tttccttaaa ttgggcatct ttactggcaa attctgctag 360

caatgctcgg gaagtttcct gggccactgt taaaatttct ggagaaaagg atttcagaat 420

tgtgcctcca tccagtaatg ttttcagggc aatgctatta aaagtttcat aacgggatag 480

catc 484

<210> 10476
<211> 461
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189101e04b1

<400> 10476

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agcgttttgg gggccgccct gggtcatgat atacacctct tcaaaaactt tgagggcgga 120

aatggaagat aaaactccta ctaagaaaca atagggccgc atgaggggaa tggtaatatc 180

ccaatgttgt cgccaaccgt ccgctccgtc gatcgccccg gcttcataga gttcctgggg 240

aatggcttgg agtccggcca ggtaaatgac catgtaataa cccaaccctt tccacactgt 300

caccaccatc acactccaca gggctaaatt gggactggtg agccaaggaa taccatcgct 360

aaatcccagt agggcaagaa tttgattcag gatgccattg gaagcgtaga gggctttcca 420

ggcaatgcct gccaccacaa tagaggtaat taccggagtg t 461

<210> 10477
<211> 494
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189101e05b1

<400> 10477

cggtaattag ttccggcaac accttaccga ccgctgcgaa tattaccctg cccactgccg 60

gttccaccga gagtcagggg ggaacgcccc agcccgatct ggaagctttt gaagggatgt 120

tggtgaaatt cactgatacc ctgacgatta cggaaatgtt taatctcgat cgctttaatg 180

aaatcaaact cagccaaggc ggtcgtcccc aacaattcac ccagtttaat gatgctaatg 240

tggcaggcta tggggcatac cgagaggaaa tcggtgctcg caccattacc tacgatgatg 300

gcctgagtgt gcagaacgca gaaattagca atctggatgg ttttggttcc agcttcagca 360

ccgctagtga tattcgcatg ggcgacacaa tcaataacct cactggcgtt ctcagctacc 420

agtgggcagg taacgcttcc agtggagcta cttggcgggt gcgctctgct gtagatggga 480

caaatcagtt tact 494

<210> 10478
<211> 491
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189101e06b1

<400> 10478

attttcattc ccaccgctga cattttgcga gaattggccc agtttgcccc ctgggaggtg 60

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ctcgaaggca ttaaaaagtt gactgggaaa ttaaccctgg tactcaccaa tgcgactttg 180

ttaaatgatg ctcaggtaag agaagagctc tccttagcag acaagatttc tgtcaaatta 240

gacggattgt ggccagacca gttacaaaga attaaccgac cgatcgccgg cattgagttg 300

gagcaaattt tgactggtat tcaaaccttt cagcaggagt ttacagggga attatcagtg 360

caaaccatgg tgctgcagcc ctgggaccag acaactgaga accgttattt ggagctttta 420

tccctaatta agcccaccga agtgcaactc aacaggccca ccaggcccaa acccctccag 480

cgggaattgg a 491

<210> 10479
<211> 357
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189101e07b1

<400> 10479

tgatgacctc cgttattttt gtcggttgag gtttgtgacc ttggttccca ttctagtttg 60

catccccaat aaagacaata tagtatttta agcacagatt gcatccaaaa tagggacaat 120

aggaatatca atggacaaac ttgaaagtat ttacgccttt acccaagttg tgcgggaggg 180

cagttttgcg gcggcggcgc ggaaaatgaa tctggggcga tcaacggtga ataagatggt 240

gattgcccta gaaaatgagc ttaaagtaca gcttctccac cgcagtaccc gtaaagtgac 300

ccccaccccc acagggatag ccttttatga aaaatcggtg caaattttgg cagattt 357

<210> 10480
<211> 362
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189101e08b1

<400> 10480

tgctttcctg ccccagggaa gaatttttac gaacatggtg tcatcaatcg gggcaccagg 60

cgatcgccta ccaagaagat gggattttac ggggttatgg cgttctacgc ccctgccgag 120

taggttacaa aattggccct ctgtttgctg atactccaga ggtagcggaa attatctttt 180

tagctctaaa agcaattcct acagcggaaa ataccattta cctagatgtg ccagaaccca 240

accaagcggc gatcactcta gcaacgaaat atagcctgca ggtagttttt gaaactgctc 300

gaatgtacac tgggcaagcc ccctccatcg ccctagataa aatttacgga gttacatcct 360

tt 362

<210> 10481
<211> 162
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189101e09b1

<400> 10481

ggtccagagg gaaaagcccc agtcccttgg ccgatggcag ttcgtagtcc ggactggcat 60

tctagttgct acttttatcc tcgctttggg gagcctcgca agccctagcc tagccctaga 120

ctataaccgg ggtaacttag tgggggcaga tttttcccat ca 162

<210> 10482
<211> 495
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189101e10b1

<400> 10482

ctcttcgatc gccagttccg ccgcttcacc acggtggttt cactgatggc catggtgcca 60

ctgagggagt ggtgcaaacc aactttaatc ggttccccgg tgggagcagt accggtggtg 120

ggggactcag tcggttcagc agtgggttcg gtggtaggtt ccgtgccgcc gccacaggct 180

ttgagcaata gactggcgcc tagggttgct gatccataca gcaaaaattt acgtcttcca 240

aaagggttag tcatacgcga aaaattatta cctcgtaagg attctaaata tgcttgttgg 300

ctggtgggga ggagtttatt gggcggaaac agtgctctta aaaagttttt atccgcagtt 360

tattttggtc aacaaggcag tggatttcca gggtaaatcc gccggaaaca aataagaccc 420

catactacga gtaggttaag aaaaaattat gtagcatagg ataccgtttt gtccgactaa 480

gccccttttg cgcct 495

<210> 10483
<211> 517
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189101e11b1

<400> 10483

cgccattcgg aaaagcaaaa aagcagaaac cgggtggaag aaaaatccgc agaatacgct 60

tcccagtcta gcggaaaatt acctcggctc catcccaact gacctaatat tgaccctccc 120

ctctatcgac atatcgacag tgcatccatt aaccatggac gaaaatatcg gcctaagcct 180

aggcatcgaa caatttaacc ggcaagattt ttacgcctgc cataacaccc tcgaagcagt 240

gtggctagag gctaacccga cggagaaaaa tttctaccaa ggtattttgc aaattgccgt 300

agcccactat catcttggca atcacaattg gcggggagca gtgactttac tgggggaggg 360

tatccgccgc ttgaagggtt ttcgccctga ccatcgggaa gtggatatag agagtttatt 420

tcggtccagc gttttgctgt tagagaatct acaaactatt acgccagaaa atctccccca 480

atggttagaa tccgctgcag cggaacaact aaccccc 517

<210> 10484
<211> 369
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189101e12b1

<400> 10484

cccttctccc cgacgggatg ccagcaccgg ggcgatcgcc cacggcattc gtttatggtt 60

gaggtattgt caggcagggg tatttgctgc tagttgaccc ggcttaaaat cacagcaaac 120

cattgttggt catcggtcca cacttggagt ggctctaggc catggtccgc caattgccgg 180

ggaatggcgt tgggattgtt agcatggagg gaaaatttgc gggatatttc cgtcagaatg 240

gtttctccag cttgcagatc caccgttaaa tcaagatttt ccaaccgcac cgtttgcttc 300

gtgccactgc ggaaatacat ttcaatttgg gattattgct gattaaatac agcccgatgg 360

gaaaagtta 369

<210> 10485
<211> 123
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189101f01b1

<400> 10485

aattaccgca ttcatggtgc agttaaatgc ccgcatcaaa gctgctatac cgaacattct 60

agtatccgtc tgccctgcca cctacaatct cgcttacaac actttttttgc aggattggtt 120

gga 123

<210> 10486
<211> 322
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189101f02b1

<400> 10486

cttttgtgga gaccacgggg gaaacccctg ggcaactgcg cctggcctat gctttttccc 60

tacctccctt tatcagttct tctgagattc aaggggctgt ggccaaggtg atcgccgttt 120

gcgaaaatct agggcatcaa ttggaggaag cctgttttga tgtcactagt ttaattgaac 180

cctttgccca aatttggaaa gctggggtgg gggcttccgg cattccttta cccctgttgg 240

aatcggttaa tcagtggtta ggggaaacca gtggcactgc gggggactat ctgcgggggg 300

taaggaatat gcaggtgatt tc 322

<210> 10487
<211> 477
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189101f04b1

<400> 10487

ggaattggga gcgttttcta accatgggag tgtaaaagcc gaaaaacgac gcaacggaaa 60

tagttaattg actcaggtga acaagatggc cgagaaaagc cagcaaggaa ggtaatctaa 120

ggttattgta tccactagtt cagggattga tgggcgcaca attcttaata tttttgacca 180

ttgttgctga tttccaggct gattgactgt ggatttttgt ggccagttcc agaacaggtg 240

gagtagttca agggatagtg gtcggttaac tgggggggac tatggggaca tttacctatg 300

aaaggcaagt ttacctggcg gacacggacg gagctggggt ggtttatttc aaccaatttt 360

tgcaaatgtg ccatgaagcc tatgaaagtt ggctgtcatc agaacattta tccctacaaa 420

atatcattag tgtcggggat tttgccttgc ccttagtcca tgccagcatt gattttt 477

<210> 10488
<211> 231
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189101f06b1

<400> 10488

aatttttggc cccgacttag aacaactccg caccctcggg aaatcggtgg aaacagccat 60

ggcggatatt cctgggctgg tggatttaca actagaaccc caagtcccgg tgcgtcaggt 120

acaaattcag tttgatcgcc tagcggccgg gcgttatggg ttaaccgttg gtcaactttc 180

tgagctggta gaaacagcat tgaatggtag agtcgcctcc caaattttgc a 231

<210> 10489
<211> 420
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189101f08b1

<400> 10489

aagctccctt agctccttct gattaagcac ttggtagtat tcatcaagtt ctcgtccaac 60

aaatattatt cgtccccagt aatccttaga attgtgccag cgtttccagt actctgacac 120

taatgccagg cgagtttggc ggttttgtga ggtcaagatg ccgatttggg caatcccgac 180

cacgactagt agtcctgtag caattgcagt gattgtcgcg ttgtccattt aaaattggga 240

tagttagaaa atttgagcca gacttaagga ctacacagaa aatcttcagt ctccccaata 300

cagtgattgt gtctatgctt tggagaagct ttgtttcaag acgaaataaa atcctttcct 360

ggtaataaaa tattctgctt cggtgatgat aaggggtgaa ttaaatgaat agtcaaaatt 420

<210> 10490
<211> 384
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189101f09b1

<400> 10490

tgggggctcc gggggggaaa actcccaggc ttggggacgg atttccctct agccttgggt 60

ttagccagta gtttctcttt tgagcgctga cattgccccc cagtcggcaa taatgtatct 120

gtcgttaacc ttgtctttgc caggcccatg ctgatttccc gtgcccctgt ccgcattagt 180

ttttttggtg ggggaaccga ttatcctgag tattttctcc agcatggtgg tgcggttcta 240

gctacggcaa tcgacaaatt ttcctacgtt actgctagtc cttttctgag tcatttattt 300

gactattcca ttcgcgtttc ctaccgcaaa gtggaattgg ttaaaaatcc tagcgaaatg 360

gagcacgtgg tttttcggga atgc 384

<210> 10491
<211> 536
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189101f11b1

<400> 10491

taataatcct agggacttag ccaagttggc ctcttgggaa gattacctac tttattacga 60

ggcggaattg tcaccagctt gtgaacatat cttggttgat aatactctta ataaagaaat 120

caagaaataa agaattctga tatgggcaca aatagcttaa tctagggtca tagcaataaa 180

taacgaaaac aagaaaacac gaaatgaaga taatcgccgt gactggctac aaggggggag 240

ttgggaaaac catcacctcg attcacattg cccgttactt agccgacaag ggaaaagtgt 300

tgctaatcga ctctgaccct aaccgttcgg tggagaaatg ggccgcccgt ggggaaaaac 360

aacccttatt taaggtcaaa aatgaaaagt ctgctccagc ccatattgcc gggaatgatt 420

ttttggtttt ggacaccctc gcccggcccg atagtaatga actcaaagaa attagccaag 480

aggcccatct aacaattctg ccctgcgtgc cggatgccat tagtcttgac cccatg 536

<210> 10492
<211> 540
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsrow189101f12b1

<400> 10492

ttaagatttt taaacatatt ttttatcagg gatataaaga actcataaat attgatgtaa 60

aagttgattt acaactgcaa tagtgaatcc tatcaaagct cccaatgggc caaagaaaaa 120

tattgaggtc attgctaatt ccaagggctt gtcctgaaca ttagtggaga aattattgac 180

aataaagatt ccagccataa caccaaaagc ataacctacc aatgcagcaa gtaatgcaat 240

acctataaat ttgagcatat ttctagtttc atttaaccca aagaaaaaag aataaacttt 300

aatatcaaga aggcaagaat aaagatgtgg ttcccggcac tttatggtcg tcgtccctcc 360

ctttttttac tgcctcccca tccccccgcc ggacaaaagc taactatcaa ggcctagagc 420

cactgaccgg cggccccccg agtgggggcg agaaagcaag aaggcangag gcgtttctaa 480

tattcgacga taaaacccgt tggtatggtc ggttagagca ataaatattt cactggacta 540

<210> 10493
<211> 369
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189101g01b1

<400> 10493

aggggagtgc ccagaaaagc ggagattaaa agaaaaacag tgaccccaaa acaaactccc 60

aaagaccact gtttcccact ggggttgccc aggagcagta gtagtaagac aatgggaatg 120

agggcgctgg caaaaaaagg atttaacaaa cctgtgccag ggagactgtt acccaactcc 180

ggtaaagaac tacccatggc gcggaagggc cattggggca agtcaaaaat gtatagaccc 240

tgtagaaaga ataagcccga gctaccgaaa attaatcccc agttgaacgg ccaggtaaat 300

tgcaacggta gatagatccg caacagtaac accaacaggt atgaccccaa caccatggct 360

aatttgggt 369

<210> 10494
<211> 353
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189101g02b1

<400> 10494

aaattgatta gcctgtcgtg cttgagcgta gttgccaact ccagttcttg ggtttgttct 60

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tggccgactg tttttgacag aaacactgcg ccgaacccac caatcccaag caaggtttca 180

agtaagtact tgtccttcaa atgggttccc tctaagcttt tccaggactg taaaaacata 240

aactctataa tcaagttggg atcttggtaa aacaatgata gttccaccaa ctcaggaaaa 300

ctgtaaagat taataaagtt gtttagtatt gaaattttat tttgagtttg gac 353

<210> 10495
<211> 356
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189101g03b1

<400> 10495

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ctattggcgg cagggcaatg gtatcgggat agtcggggca gtaatcaatt tgagggccag 120

ccccagatgc tctcctgtgg tttacccctg cccaatctgg gggccatcaa ggcacaattc 180

ctggccactg gcggacaacc cgcagatttt gaggagcatt accaccgccg ctcccaaagg 240

gaagtgttgc aaaactttgg ccgtcagcgg gctaaccgct acccccgcca gcagtttacc 300

catttcatta tcaccggcga cccccagcac aataccatcc acgacctagg ctgggt 356

<210> 10496
<211> 528
<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189101g04b1

<400> 10496

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aacttctcca ttccatccgg agagcaaaga agtaaggggg ttgaattcga tatcgcgggg 120

gaaatcctac cgggctggaa tattattgct tcctatgctt ataccgatgc cagggtcacc 180

aaggatgaca atctggagcc tggtaatttg cttgaggggg ttccctttaa ctcggccagt 240

ttgtggtcaa cttacgaaat tcaagccggt gatttacagg gtttgggatt tggcctggga 300

ttgttttatg tgggggaacg ccaaggtgat ttaaataatt cttttcaaat accgagctat 360

ctacgtactg atataagcgt attttaccgc cgcaataact ggagggccgc cattaacgtt 420

aacaatcttt tcaatataga ttacatcgaa gcgacccaac gccggactcg cgttgatcct 480

gcggcgcccc taacggtaag gggaacaatt tcggtggaat tttaaact 528

<210> 10497
<211> 500
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189101g06b1

<400> 10497

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ccgccaatgg aagactattc ttcgccgtgt tcgccgccct agcggaatac gaggcagagt 120

taatctcaga acggaccaga gcaggactac aggcagcgag ggcgagggga aggatgggag 180

gtagaccaag gaagatggat agggtaatgc tccagatgtt aatggaagcg atgaagaacc 240

cagaagcctg tgccaaggca gtagcccaga agctcaatat cagcaccgcc accctctact 300

cctacgtcaa tggggacggc accccgaaag aagccggact aaggttattg agaaaagccc 360

atggggaaca gcaagaatca gagggacccc gataatctca ttgtctgctc cccttccccc 420

cgactgcaaa gtagggatag ggaaacatcg ccctctgctc tgaaagggag cattagcatt 480

tcacagggta tgggggaata 500

<210> 10498

<211> 319
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189101g07b1

<400> 10498

ccggacattg tactggtggg agaattgcgg gatttggaaa ccattgccct tgccatcact 60

gcggcagaaa ccggacactt ggtttttggc actctccaca ccaactcagc agcgggcacc 120

attgaccgga tgttggatgt gtttccggct aaccaacagg cccaaattag agccatgtta 180

tccaactctt tactagcggt atttgcccaa aacttagtca agaaaaagtc ccccaaaccc 240

ggggagtttg gccgggccct agtgcaggaa attatggtca ttaccccggc gatcgccaac 300

ctaattcggg aaggcaaag 319

<210> 10499
<211> 380
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189101g09b1

<400> 10499

tgagtgcggc cgtttatctc ggtttcaaac ccaaacccag ggtatatccc tagaagccca 60

agcccagcgg gccattcccc tggccactgc cttggacaat ggtcgtccca ccttggtgga 120

attctatgct gactggtgta ctagctgcca agccatggct ccggacttag cagagttgaa 180

gaaaaactat ggcggttcgg tgaactttgc catgctcaat gtggacaaca ataaatggtt 240

gccggaagtg ttgcgctatc gggtggatgg cattccccat tttgtttacc tagatgacac 300

cggcacggcg atcgccgtga cgtaaacgct cttccacata gggcaacata cgttcaataa 360

tttccgctcg gctggggact 380

<210> 10500
<211> 458
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189101g10b1

<400> 10500

cccacgacat tgatgaagcc ctcttcctgg ccgatcgcct tgtgatgatg accaatggcc 60

cccacgccaa cattggcgaa attatgacca tacccttttc tcgcccccgg gaccgggaca 120

ggattatgga agaccccacc tattaccagc tacgtaacta cgccctcgac ttcctctata 180

accgctttgc ccatgacgac gtggcttaga aagttatagc caagatacta ctcccaaatt 240

gtttaggcta attccctgct ttttgggaga aattgattcc aacagtgcgc taggagtagt 300

tcttgagacg aatagttgct cgtactacat ccaagaactt tccgggggaa catggggaac 360

atatagttca tttaagggta tgctaatcgg cgtaacacac ttttgcggat gatatacgga 420

aaagctctgg cgatcaggga attattgctc ttctatca 458

<210> 10501
<211> 456
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189101g11b1

<400> 10501

tgctctgcgc cggatagttt gggggaagac caactgcgaa ttttaagttt gtttaaacgg 60

agccaacaac gatggattac tttgtttggg ggaataatta gtctgggtct attgtggctg 120

gtgtattact acgctccgat cgcctatcct tgggtgacgg atttgcccca gattcgtttg 180

gcaggggttg ggctagcggc gatcgcctat ttgatggcca atttattttt gcaggtgccc 240

ctgagtgtgt tgggggtgtt atccacaagc cagtccaagt ttactgagac gattccccta 300

gagccaaatc agatcgaaca acagttcacc attcccggca ttaagttgcg gcagattccc 360

ctggtgccaa ggattagctc ttgataacaa aggatttgcg ctctctgctg gggtagaatc 420

ggtaacgggc gatttttcct aggtttagcc gatgtt 456

<210> 10502
<211> 399
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189101g12b1

<400> 10502

cctgccgacg gcgatcgcgc cattccaggg tggtgaggta gagaatgcca ccactaacaa 60

gcactagcat taccagggcc gctaaaaaaa gggtgttgag gacaggagta ggagttgctt 120

ccacggtatc aaagactctt aaacaacggg aaatccaggt ttaatcctag aagccgttcc 180

gaccccatac caccatgctg atggaccagg tgaacagaac taacacgctt acccaaccta 240

atgtcaaaat gtccatagtc ttttgttaaa tacgccaata aaaacaagct ttgccagcct 300

ttatcttacg gcgatcgggc aaaattttaa agcttgcctc agggacaaaa cgcccgagct 360

aatctcccct ggaaccatca ttgtctctat ccccttttt 399

<210> 10503
<211> 336
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189101h03b1

<400> 10503

tgggggactg ttggcctgtg accggtgggg agtggggcgt ttggcgtaac tcggcgcaaa 60

ttatgcatcg actgcaagca ctgctgttca ccggaggtca ggaagattta cggggtaaaa 120

ggattcttat caccgctggg ggcacccagg aatatctcga tgcagtgcgg tttattggta 180

atccgtccac cggaaaaatg ggtttagctc tggcccagtc ggccggcgat cgggggggcaa 240

gggtgactct catccatggc cccatagggg atttgcccat acccatggga gtaatcagta 300

tggcggtggt caacgccgag caaatggagc aagcct 336

<210> 10504
<211> 547
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189101h04b1

<400> 10504

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atccatgttt tctagaataa tttactggga aatttagtta gaagttttag taaatttttc 120

gtattattag tgagcaaagt acggcggtaa gtatcggcgg ctttttttaat cgcttcggcc 180

tgggtgggat agggatggat caccccggct aatttgctta agccaatttt attaacaata 240

gccgtggtaa tttcagaaat catttccccg gcatgggagg caacaatggt agcacctaaa 300

atttcatcac tgttggctac gtggataatt ttcaaaaatc cctctgtctc gtcagcggcg 360

atcgcccggt caacctggga aaagggaatt ttaataattt tatagcctat gtctaaggcc 420

tcagccatag tttcatttaa tcctacatgg gcaatttctg ggtcggtgta ggttacccaa 480

ggcatggtta aactgcttag tttactgcgt cctaaaccga agggagaaaa gagagtattt 540

ttaatca 547

<210> 10505
<211> 442
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189101h06b1

<400> 10505

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aaactaacac ccccaatacc tgggcgaaat tcaaactgaa ccaaggggca gtcaaaaccg 120

tactatccaa accccagttg ccattcaggt aaatgtaacg gattggttcg atggcatagg 180

ttaatggatt taaactggcc accacctgca accaatgggc catgaagtcc aaaggagcaa 240

gggcagtact ggcgaagagt aggggtaaat tagtgacaaa aattaccgca atcaattcaa 300

tgtggcccgg cagggcaaag gctaaaccta aacttagggc cgttaccccc aacacgatta 360

ggaaaacaat cagggcaatc attcccaaac caaagctatt gggtaaacca gctcccagca 420

gagcactggc cccgacaatc ac 442

<210> 10506
<211> 441
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189101h07b1

<400> 10506

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ccacgacttt acccacaagg aagccgccga aatgatgggg gttagtgtga ttaccgtttc 120

ccgtcgcatt aaacagggca ttggggctct gaaaaaagcc ttaaatacgg aaatttttta 180

actgtttaga gtctatctcc agtagtaagt agcaaaaatt cagccaaggt cggcgatcgc 240

cctggtagta tggcaaatgg agctttatgt ctaacttttc cattttgttt tgagccattg 300

tgttaaccta tgctgcaatt gacccccagt gccgcccagg aaattaaacg attgcaacac 360

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tggttatacc atttggattt t 441

<210> 10507
<211> 372
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189101h09b1

<400> 10507

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tcaataattt ctctttttttg gaacgaacaa atgtcatgaa ttcctcgctt taccatggtg 180

aaaaaatccg ccattggttt cctaactcct ccctagattt tgtttcctca ctacatgcaa 240

tgttggacaa tttgtcaaaa tggtttcgta atttacctat cccaaatttt agtaacaatt 300

ccttgtttct ccgtggagtt agtaaagttc ccaactctcc ccaatttaat gacccaattc 360

aaaacctggc ct 372

<210> 10508
<211> 532
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189101h10b1

<400> 10508

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atcaactgtt acaagaccgc taccatggca ttattccccc agaagaatta caagataaaa 120

tcactgctgg agaaagggag gcattggcac aacaactaag tgaaggcggg gaaatgaatt 180

tggatgccat ccgaaccgaa gggtcagggg cagaactaga tgctaaactt aaccagattg 240

tcgccattgg tggggaaaat ttagacggaa gtggtagtgg tactttaaat ttcagtagtc 300

cctatgtttt tggcggtgga ttagtcggct tgctggtgtt ggtatggtgc ctgcaatctc 360

tgaatacttg gtcaaattta cgggaaaaat tgatggggga agagggagtc tattatcaaa 420

ttttagaaaa gtttggcaaa gctaaaccta aggtttctga aagtgattta tttctctata 480

acaaagcttt ggtggagtta gaaaagcagg ctaaaaaagc tatcagtatt ga 532

<210> 10509
<211> 509
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189101h12b1

<400> 10509

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cacttccgtt gtgggcaatg cactaattgt agatattccc aatgccatcc tagccttgcc 120

ggatagtgac ggactgcaac aggaaaaccc caccgaagaa attgccctag tgagcgttac 180

agcattacct gataatattg ttcgcattgc cattaccggg gtcaatgtgc cgccgacggt 240

tgaagttaat gccacagacc aatccctggt actggggtta agtccaggga aaggggtggc 300

agatgaagag gatggcaatg atgctatcca ggtagtggtg accggtgaac aggatgaagg 360

ctatgcggtg gacgatgcca caacggcgac tctaaccgat actcccttac gggacattcc 420

ccaatcgatt caagtggtac cccaacaggt gttggaggac aggcaaataa ttcgtgcttc 480

ggaagcactg caaaatgtca gtggtgtgc 509

<210> 10510
<211> 396
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189102a01b1

<400> 10510

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gatcggccaa gattggcgga ttcaactgtt ccgccacccg tcgtaccccg tcgtaatagc 120

actgcttccg gattagtggc cagttgatca atccagccaa aggctccacc agcgcttgtg 180

tcgttgttat tacccctggg gggagtagac aatgccccag caattttggg gggagcggat 240

tgaaaaataa cgttaaattc cccccggtcc agggtgggaa caaatccctg gggaatgagg 300

ggaataatgg ctaagcctgc cattaaactg actagggcca gggccacaat ccaccaacgg 360

tgtgccaaag accaagctag aacccgttga taacca 396

<210> 10511
<211> 243
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189102a04b1

<400> 10511

aggatctttt taccggccgc ggctagcact tgatgtccag aagcagtctt aagattgttt 60

ggtgtgaccg tcatgacatt taccagggaa gtatactttt attctcacag aggggcttag 120

tcctgtttat gaggtagctc atggagagaa cgctgacctg ttcctgatgt cccctatggt 180

ctaatggagg ttcatgagcc tccccgacaa tgtcaccatg cagatccccg ggtaccgagc 240

tcg 243

<210> 10512
<211> 385
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsrow189102a06b1

<400> 10512

aggatctgaa gaatctatta cacaaaatgc tttgttagcg tagatagtat agataatata 60

tttcgtagta ttcttaccgc gcaaaaaata actgaagaac aacataatca gttagaaaaa 120

tacataaaca cgattgagga tttttgcaga atgttcatgc caaaatttga gtctatcaat 180

gattcattaa tgagtgatga agagtattca gagaaagttt ataaagaatt ttcatcaccc 240

aggtatgact ctaatgagca gaatgagcag aggtacaaat acaactataa atacagtaag 300

gtaggtgaaa tgtatataat gaatagcatg gcaagtttat ttcaccaaat gcattcaatc 360

ngagaaagca taaaattttt gtatg 385

<210> 10513
<211> 450
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189102a07b1

<400> 10513

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aaaatttccc ccaggggcaa catgcgggcc cacatgagct catcccgcag ggaaaatacc 120

atctgctttt gcacatgcac tgtttgatgg gccggcctgg aaagtagcac cacatcatcc 180

acggactact ccaactgcat gatttcttcc aaaatttcct gcaactgggc cgatagggtg 240

ccataggaat ccatttccag ggcatcgaag ttatgctcta gccatccctg ggaccttggc 300

tgggcccgca acatggcttc cccctgcggc cggattgcca actggtccgc caactgtctc 360

agtttcagcg ccatggtctg gaaggtgcca aaacgttgcc ccagggctcc cacagccgtt 420

tgcaattgct gattttgtaa agacaggcta 450

<210> 10514
<211> 441
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189102a09b1

<400> 10514

ggtgaagtga atcaccacag ggactgattt ggattgacca ctggcggggg ccgtaaactg 60

catttttctg gctgccaata gggcctggcg gttgacctcg ctgttgccgt gggcattggt 120

gatggttacg ctggtcacac caccactatc atttactgaa attaatactg tagcactacc 180

ttcttccccc tggaggatgg agggataact gggtttacat tggctaacgc actttaaggg 240

gtctggctta gcgggggaac tgggagttgg tttcggttta gggggagcac tactagcaac 300

gggattggcc gcaatgggac caacatttgc ccctgcattg cctgcaccgg gccgttctgc 360

tctgggttgg ccggagccca gactagggcc agagctacca ccaccactgg caatgggttt 420

agtagctgtc cccggtttca t 441

<210> 10515
<211> 371
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189102a10b1

<400> 10515

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atgcaaaatc acttatagct gagcacaata ccaggggtca tgccgagata cgtgtaaaaa 120

ccttcacata tatctaaaat aggcttagtt ttagtagtgg aaaatttttg gtcgctcatc 180

taaacagtcc catttacgat ttttggcttt acgagtctgt ctaacaagaa atcaaggttt 240

tccggtaatt aggcggtgaa gttgtcctac ttatagtcat gaatgggaca gtaatgattc 300

agataaatta taaaatttga tgtctggaag cattactgga taaagctttc agccttaacg 360

accaaatttt t 371

<210> 10516
<211> 216
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189102a11b1

<400> 10516

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catgactttt atcagtggcc agctcaccat tgatgacccc actatgctcc gcctggaaca 120

gtccgccttt gcctttgccc ccatccgcaa tgccggagga tttgtcaccc tcgaccatgc 180

ccccatcgaa acggcgatcc ccgggtaccg agctcg 216

<210> 10517
<211> 410
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189102a12b1

<400> 10517

caggtcgact ctagaggatc gggggaatgt ggagcttgat attagctatt ttcatttggc 60

ccttccgtcc caatcaacct ttgcggcaaa tggttgccaa caattacagc attttaggca 120

attatctccg ggccatggcc gccgctaact ttagtcccga tgacccccaa gctcagcaat 180

tggtggtcaa actgcgtcaa aacttgctta aatctcggca aactctggtg gccagccagc 240

gaggattatg gggacaaagt aaattaaggg aattattatt agttttaatc gagcatacgg 300

aaagattaaa taaatgccta atgttgctca atgaaattgt taatttccac aatctacccc 360

aattacaaac agtggaaatc ctaatggaag atgcgtttaa tgctctgggg 410

<210> 10518
<211> 157
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189102b01b1

<400> 10518

caaggccaat gaaataaaac ctattcttta gggttggcat tccttgctag gtaggtgatt 60

attccccga tgattgcacc tccaagagtt agaccgattt gcttccagtt ttttagctcc 120

ccaacttttt cggccagatc cccgggtacc gagctcg 157

<210> 10519
<211> 474
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189102b02b1

<400> 10519

ctatccagtg gcaatttaga agactatggc cccattgccg gttctttcca gccagtgtta 60

ggggcaacgg aaccggaaga tggcaacctc agcaatagtg ttttgtacta tacttttcct 120

gccacggaaa atattcgtct gtgggccatg ggggccgggg gcgctttcga cgatttcacc 180

aatacagtca atgttttaga cggggatgga gcctttggag cattgactac ctttggcacc 240

cgtagcccga tctatttctt gggggaaggt accggggcgg ccctccaggg cacctgggat 300

aaattacaac ttagccttgg ttacctggcc cccgctggca atgatccttc ccagggagaa 360

ggattattta acggcagttt tggcacgatc gcccaggtaa actatgattt cagcgataat 420

ctgaccgtag ctgtaaccta tagctatggc tataacacct tggacactag cacc 474

<210> 10520
<211> 80
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189102b03b1

<400> 10520

ccttgcaggg gattgccctg gatgcccacc acagtaaacg tatccgtctt tgcttgatcg 60

gccaaaattg ggggttccaa 80

<210> 10521
<211> 420
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189102b04b1

<400> 10521

attctatctg gcattatttc ggaacttcaa cgttctacca caagtaaagt tccaattcta 60

ggggatttac cggtgattgg agcattgttt aggcagtcca cagacacaac agaccgttcg 120

gaagttatta ttctcatgac ccccaagatc attcatgata gtacagaggc gcagtttggc 180

ttccgttaca atcctgacgc ggctacggcg gaattcctgc ggcagaaagg atttcccgtt 240

caggctcagc catagttaaa ttcctagcgg gagactaaag tgttgaccag ccgttccaga 300

atgttaactc gataataggg ttcacaaatc tgggatagct ggtttgcttt tggttgataa 360

tttctaaaca agataatgtt gccgtaaacg ctttgagggg ggaaaagttt atccaactca 420

<210> 10522
<211> 370
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189102b05b1

<400> 10522

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gccggatttt tggggtcaca gagagtgtgg cccgtttgca cattttcat gcccacgatc 180

gccacaatgt ccccggcttg agcggactca atttcttccc gggaatcggc gtgcatttcc 240

accaaacgac caatgcgttc tgttttaccg gtggcagtat tgagaatggt gtccccttta 300

ctgagggtac cggagtaaat ccgggtgaag gtcaaagcac caaagcggtc gtccataatt 360

ttgaacgcca 370

<210> 10523
<211> 268
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189102b06b1

<400> 10523

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cccccaatcc cgtagtgcca ctggggtgcg ggtacaaagg ttagatgccg atgatgcgat 180

cgccgctgtg gccctagtgc ctccttctgg ggaagaagaa ttggcagaaa tgtcggaaag 240

cgaagagagc tgatggcccc ccaaccta 268

<210> 10524
<211> 341
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189102b08b1

<400> 10524

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cacaggtaaa attcttttac tttgccccat tcctgtcggc gatcgccttg gtaaatctgg 180

ctgtaggccc tagtgattaa agcttgtaag ttttgcctca tgcggggatt gagattatgg 240

gtttgggctc gggccaggtc ggcggaagta gcccggggta aactagccaa ctgttgaatg 300

tcctccgtgg ccaggaactt gatccccggg taccgagctc g 341

<210> 10525
<211> 452
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189102b09b1

<400> 10525

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taaccatgac cgcttgggtc tgggcattcc catgggtggc agtgagggct gttaggaggg 180

gcggatcccc attgctggaa aaattaccgt cggcgccggc attgagtagt tgggtcacaa 240

tctccacatg tccctgggcg atcgccaaat gtaaggccgt gtcccccgct tgattgacgg 300

cattgaccat atctttgggg ccctttttcta acagaatggt caccatggat tggtaacctt 360

ctaaacaagc aatgtgtaag gctgtatcgc cgccatcccc agcctgggta aggggataac 420

cgccctggat gaaagctttc acctgatcaa cg 452

<210> 10526
<211> 338
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189102b10b1

<400> 10526

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aatctttatg aagcgctttg agctttccga tgacttcatg gccaagatga ctgttgagca 120

aatgaaaacc caactgggcc agtttggcat ctcccctcag caaatgttcg accaaatgaa 180

tttgacactg gaaagaatga aagccgaaat caagtagact tcacggtgtc gaaattgtct 240

agccagacgt tcctcaccaa tgtcagaatg atgggagtag gttccccgta gcaattgcga 300

gaactatgcc caccctggat ccccgggtac cgagctcg 338

<210> 10527
<211> 304
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189102b11b1

<400> 10527

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aatggtctgc ttgcaaacag agatagtcac tatgccttta accaccacga atggcgaacc 120

gtttctgcaa actcgtactg tcccgttaca gtcccattgg ccgaatagtg gagatatgct 180

atcccgtcca gcagtagtaa ccattcagcg gcggactcgt cagccgtttc attcgtctta 240

gatcatgatt atttgatgag taaagggtca tggtgcggag tgagatcccc gggtaccgag 300

ctcg 304

<210> 10528
<211> 276
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189102b12b1

<400> 10528

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tactttctag ctatccaaca gtctcaaaaa aattaccagg ggtttcgaga ataaaacgga 120

ttcttccaat gtagtcaaaa agcatttatg gcaactgact aaacatccaa aagtccaagt 180

acgcaaatat ttggtaattc gcatacgcat caggctacaa actcaactag gtgaaagttc 240

agttcatcca acaaagatcc ccgggtaccg agctcg 276

<210> 10529
<211> 382
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189102c02b1

<400> 10529

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tcatcagaat tacgcgcatg gatggatctg cctagaaaga tgaaaaattg gagacggaat 180

gttacatatt gttaacttcc atgtctgcat tatgccggga aagccagatt tcttgcaggg 240

ttgtggcata actctctagg ctgtggtgcc gacggtaagc ttgggccatg gctgctaatt 300

gctgatggat gcttgaatcg gccaactttt ggtcaatttc tgcccatact agggattggg 360

cttgccaatc cactactaaa ct 382

<210> 10530
<211> 504
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsrow189102c03b1

<400> 10530

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tagatagtca tctgccccgg catctagtcc ttcgacacgg ttttccggtt ctcctaacgc 120

tgttaacatc aacaccggca aggaattacc ctgggttctc agtttttgac agagttccaa 180

acccgataat cccggcagta accaatccac aatggcaagg gtgtattccg tccattgatt 240

ttccaaataa tcccaagctt gggagccatc cgtcacccaa tccaccacat acttttcact 300

aactagcact ttcttaatag ccattcccaa atccgtctca tcttccacca gcaaaattcg 360

catcgcctct gccttttta taacggtctg atcttagcgg gggaaggaga ttttcacctg 420

aatttcatac ccnctttggc agactgggaa aatcttggac aaattcccaa tttgaggtgg 480

tgtgatgaaa acaattcaat tagc 504

<210> 10531
<211> 400
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189102c04b1

<400> 10531

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cttctagttg agtagaacaa aaaataggtt tggacagagc aaagttcacg tctacgaaaa 120

agtagaaatg aaaaccattg ccccgccccc taacaactaa cttttactcc gtaaatttta 180

tagctatttg aaataaaatt aagacagtaa gaatttctgc aaggtttaga ttaaaattac 240

cttggttatt tatattgccc tatgcttagt tgaattagct ataaactaaa tcagtcaatt 300

agtcagctaa tttaattagg gttgtaactt atttgtttgc tgatcggtgc cccctgggga 360

ttctgcaggc tgaatcgatg gaaaataacc gagtatgcca 400

<210> 10532
<211> 433
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189102c05b1

<400> 10532

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aaggtggtca actttgacaa cgttatcggt accattggga atgacatcat tattggtgat 120

gatcaagaga acattcttga tggcggtaaa ggcgatgaca gcatagttgg cttccaaaaa 180

aatgacactt tgatgggcgg tcacggcaat gacactttga atggccgtgc tggcaatgat 240

ctgattatcg gtggtgccga taaggatatt ttgactggtg gtatgggtaa tgacctattt 300

gactacacca atcttaagga ttcccagctc ggcctctcct ggttcaacgt taatttgtcc 360

aaggttgacg tgattaccga tttcactcgt ggtgaagata agttcttggt tcaatctgcc 420

cccaccaaca acg 433

<210> 10533
<211> 440
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189102c06b1

<400> 10533

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tgtcggggcg atcgccctga tgggactgct ggtcagtgga ttcatttttc tctatttcac 180

tctgcgggcc atgttaggat tgaccgtgta gagggagttt gggctaatct gtccaggctc 240

ggacttttt gttgccgagg agcaggtcta tggctaccag tcgtcgagtt tcccgggtgt 300

cgtccctaat taagcgggag gtcagtcaaa tgcttctcca cgaaatcaaa gatgaccggg 360

tgggcacagg catggttagc gtcacggaag tggaagtttc cggcgaccta cagcacgcca 420

aaattttcgt tagcatttac 440

<210> 10534
<211> 355
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189102c07b1

<400> 10534

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tgccggaggg gatgcaccaa gggatgggaa ttcactaaag cttggggacc atagccttgg 120

cggggatagg cggccaattg tttttgccag tgcttgagga tggtttgatt taacgcttca 180

tctcgaccga ggtggtaatg gattttatct gccttttcca gatatttcgg taaatgctca 240

tccaattccc caatgggata ggcaatgtcc gacccaaagc tggattgaac cccctccaca 300

ccgtagcgaa tgcccgtcca ggtttccttg gctggatccc cgggtaccga gctcg 355

<210> 10535
<211> 309
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189102c08b1

<400> 10535

aggatcgccc tgagccaaag caagtggccg aatacggcaa acactggcag ccctatcgta 60

gcctggctag atggtatttg tggcggaggt tgtccgcaac agctagccag attcactcga 120

aggcgttagc tctgaaattt ttctagtcaa aacctaacac cattgatccc tgagaatctc 180

tgcaatgcgg cgggccgatc cagcttgtcc cagcctttcc cggccattac aggcgatcgc 240

ctctagtccc tcaacatcat gaagtacttg ttgtaaagct tccccagatt ggtcaggact 300

atgcaacaa 309

<210> 10536
<211> 490
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189102c09b1

<400> 10536

ggatcagtca ccagttctgc caacatttca gcgttaccca ggataaccgc taataaattg 60

ttgaaatcat gggccacacc gccggtcagg tgccccaccg cttccatttt ttgagattcc 120

cgtagccttt gttccattgc catacgctca gttatgtcca gcatactccc aaccatacgg 180

gtggctttgc cttgtccatc gcgagtcaca aaaccacggt ctatgacatt cgcgtactgg 240

ccatcgcttt tcataaatcg ataatcgcat tcccagtaat tttcttcacc gtcgataact 300

tgataaatac tgtggagaac acgctctttg tcatccgggt gaatgcgtag cgtccaggat 360

tctagtcccg gctccatatc taacaaagca tagccaaaca gatctgttat ggagtcattc 420

caccagactt gattggtagc aaaattccag tcccagatca catcattggc ggctttggat 480

attaactgga 490

<210> 10537
<211> 335
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189102c10b1

<400> 10537

tcggagactt cggggcaatt gttaaaggca tttaagagcc tgttttaaat gtcctcctgg 60

cctccaattt ggggggaaac tgagtgaaag tcccccagta ttgccggagc tttagtgaag 120

agatttaggg ggctgaacaa aactgctaaa cacgttctaa gcaataaggt tcaaggaatg 180

aaaatgactc atacaaacag gttattgttc tcattcccag attaaattaa cgttgtattt 240

tttgaaattt tcgtctttgc taatgacgga aaaattatgt tgctgagcct gggcaataat 300

catacggtca aaaggatccc cgggtaccga gctcg 335

<210> 10538
<211> 468
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189102c11b1

<400> 10538

caggttgact ttagaggatc tagctctttt tgactcacga tataagtcag aaactcacta 60

cctactgcta attctttggc acgaccatag ttaatcggat agtttttggt tgcacctttc 120

ccaccaaatt gaacagaacg accataatag gcagattgag cagctttaaa ggtattaatt 180

tgataagacc aatggatagg ttgagcagga aaaacataaa ttcctgaatc attaaggtgg 240

agtaaatttt gctcacgatc tcggtctaaa taagcaggtg tttgggcatt ctgtccgact 300

aagccataag gatggggaat aattgttcct ttaaaaaaag cataacttaa tgcccaatta 360

tggaaatact tttctgtttc atagagaatt cccatctctc gactggcaaa aaaaacattg 420

tcatggagag ttaatttaca gcgataaatt tttgtcataa gtttacct 468

<210> 10539
<211> 432
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189102c12b1

<400> 10539

aggatcgtca aaagccgcaa cttttcggga atggtcacgg ctgaggagtc atgtgattac 60

ggttaaattg ctggtgctcg gtggtcagga cgctgaataa ttggtttgct tatatctaac 120

ctttaccctg tccttctctt atctttgcca attgattatc taccccaacc ttagttggga 180

aaaccaacag gcaaaagcaa cgtattgttt ttgcaaccag gaggtgcatt aactccagtc 240

accgtggcaa agttatgaac agttgggctc gctcccatgc gaaaggttcc ggtggaagga 300

taagaactac tggatgatat ggtggcaaca ccgcaagcat tggatttcag ctttctttcc 360

tttggtatgg gaaacgtgat gtcgtactgg gtgaaagggg tttgccccgt ccacactaaa 420

gattgattac cc 432

<210> 10540
<211> 508
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189102d01b1

<400> 10540

tcccggtccc atgggtcatt gaccacacag cctaaaccac tggtggccaa agttcccaaa 60

gcaatggtgc ctagtagggg taggggtggt agaccttggg ccgctaaaca cactgcccac 120

agcgccggaa tcattaaaat cagtcggccg gcgggtttat gccagcgcaa caggtaaatg 180

attgttaacc agaggggcgg ggaagatggg gtttgggcaa ccatagaaaa attaaaggac 240

tactaggggg aaggggggcg gtcactgctc caggcccacc aaccctgacc acattcacac 300

tggtaaaatt cctgccattt gcgccgtcga tcatccccca acactggcga tcgccgattg 360

atccaagccc ggagggcctg acgggggcca gcttggcatt ggggacaaca aaaacccctg 420

gcatgaacag tatcctcaac ccaaggggga ggagtggggt caaagacttt catggggttc 480

tggcatgggt aagggatgga aaaattcg 508

<210> 10541
<211> 475
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189102d02b1

<400> 10541

agtgcccaat tctgtgacga ttttgcggaa cggtttacag cggcggcccg tacttaccaa 60

gttcggcctc aagctaagga acatttagcc attggggaaa aatgggacaa atttaacttt 120

tctttggaga aaaaacgcat tctcaacgac agcaaagtgg ttaaagctga agataacgtt 180

aagcaacatt cccataccca tcaaaggctg tagttgcaaa gtcccaacgg ggtaatacca 240

accttcagga aacaagggat tgttgttttt tcctagcccg atgttgggca aaccaatcct 300

gtaactgttc acggcactgt tcttggcaca ctcctcctaa gctttgtaag tgatggttag 360

aggcagcgct ggcggccaaa tcgaacacgc tgtcgatggt gccggttttc gggtcggggg 420

tgccataaac taataaacct aaacgggctt ggataatggc gccggtacac atggg 475

<210> 10542
<211> 411
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189102d03b1

<400> 10542

tattgctgag aatggttgct tctagcccca catttttaac tgctcgactg agggacaaag 60

cctgttcgta gtaatttaat gcctggtcat aatcctcacg ggcatagtaa attgtcccaa 120

tattatttaa ggttaaagct tccccatccc ggtctttaat ttcccgacgt aggactaacg 180

cttgttgata atagtccatg gcttgattaa gttcacccaa gccgtcatac acgtaaccaa 240

tattgctcaa aattgctcct tccaccaggc gatcgccagt ttcttgggat atttttaggg 300

cttctttgta gtaggttaaa gcttcatctt tttcaccaac actatcatag agcaatgcaa 360

tattatttag tcgtatccct tccccagagc gatccccggg taccgagctc g 411

<210> 10543
<211> 511
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189102d04b1

<400> 10543

cggagagtgc tgaaatgaga catggtggat ttcctccaga gaaaaatgtc aacaacaaca 60

attgagaagt gggaaatgcc gccatcaaaa cggcttatct taaactacta acccaacggt 120

tagtctttgc tcctgcggga acaggagaaa gcttgttaga actccagtcg ctgatattca 180

gccacagaag cggaggcagg ccgagcccct tgtcgggccc agtcacgaag cgcggtgacc 240

tgctctacca tagtgcgcga caggggcaac gtcgatttga tcgctgcgat aatgtcgagc 300

tggttaaatt ctctttcttg ggcaaaggct tcgtacatag ccgctacgat cgcctgctca 360

atctctgctc cggaaaaacc gtcggaggtg cgggccaatt cccccaggtc aaaacgggaa 420

gtgtctttgc gccgtttatg gaggtgaatg cggaaaatgg cttcccgctc ttcggaagaa 480

ggtaggtcaa cgaaaaaaat ctcatcaaac c 511

<210> 10544
<211> 297
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189102d06b1

<400> 10544

ctgtttcttt aatcagacca aagttttccg gtctaaagcc agcttcaaac tgggtttgtt 60

gattgtattt tgccttgctt aactttgctc cggttaagtc tgcccccgtc agcaaggctc 120

catgcaaaca ggcatcttca agattagccc tggttaacaa agctccggca caaagggcat 180

tgtttaaatg agctccctgg aggttgactt taagcaaaaa agtttttatt agagatgctt 240

gccttaggtc cgccttagct aaattcgccc ccgacagatc cccgggtacc gagctcg 297

<210> 10545
<211> 542
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189102d07b1

<400> 10545

caggtcgact ctgaggatcc ggttgaagaa agtggattta cctgtattgg gctgaccaat 60

aaaagctttc tttccttgca catctggacg actggactgg actgaccccc tttggcaatg 120

actcaccatc tccgccctac tctcctaagg taatctgcac caattgggct tcactacggc 180

gcatggccac ttcggtggtg ctaccaatgc ggaggtggag tggtcccccc aaaccagcct 240

tgcggagcaa ttgaattggc ttatcaggaa ttattcccat tgcttctagg cgattaacta 300

acccctgacc gtggtttcct agtaaaattt tctccacaaa agccaactga cccaccgata 360

aatccaataa cgtcatggtt ttcccaaaac tgcaaataat tctcaactat taagttagca 420

ttatctgttc agaataaata tcaaaaatca ctggaataat tgtgagtata atcacttacc 480

attgattaaa ttccatgcaa cctatggaaa agtcctgccc aagacagatg ctgggagcat 540

tg 542

<210> 10546
<211> 479
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189102d08b1

<400> 10546

ggatcataat cgcagtgatg aaccgccatc ctgagccgat accgttcctc ctttaattac 60

cccttccccc cgccaggctt gaggcattgc acccctcacc gttcacagac ccaaccaaca 120

gcttgctttt tttgtagggc caactgaggc cagtcaggag aataacgggt atctttcatc 180

ccaaacccct agtatttttt tagtcatcac ttgaaacccc taataaaaac tttggcactc 240

tgtctgaatc gaacttcgac aagctcctga caatcagact cattaacccc tagtaatttt 300

tattgcacat tgctgccaaa aatcttagca acattttaaa cttccaagcg tctgcccttt 360

tagccattcg aaagtttaca cagttaaacg tctaaacttt taaatattga accatgtaat 420

gattatcacc gatactgctt ttaaaggtgg ggtaggtaaa accacaagct ctattcacc 479

<210> 10547
<211> 211
<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189102d09b1

<400> 10547

ctgcaggtcg actctagagg atcgccggag ggattttgca aggcattacc cgcaatcctt 60

tggcagcccc ttaaattatt ggtgtcaatg cgggggctag tttggtggcg gttaccttca 120

tcgttttgct accgggtatt tctccttcct tgctgccagt ggccgctttt tgcggtggtt 180

taacagcggc gatccccggg taccgagctc g 211

<210> 10548
<211> 498
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189102d10b1

<400> 10548

ctgcaggtca ctctagagga tcgccgtgac cgtggtagta atttgggcgg caaagggatg 60

ggacgcatcg acattgactg caatgctatg gcgttttaga aatttcggta tttcctgtgg 120

ggttaaagct ccaacgtgaa ccgtcaaaca ttgatgaatc ggatataaat gcttggcctc 180

cgatgtggtg actgtcacca gacaatttat tccctgggca attaaccctt cggctacggc 240

acgactatcc accgttccac caattaacca aacggttgcc aggctatcca ccatgattta 300

agtgcttaca actggaattt ttcacccaag taatattgcc gcaccaaagg attttccgat 360

aactccccgg cactaccgga agccaaaatt tgcccgtccc gcataatgta accccggttg 420

gtaatggcta gggtttcccg cacattatgg tcggtgatta aaatgcccat atttcgttcc 480

cgcaactggg caatgata 498

<210> 10549
<211> 461
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189102d12b1

<400> 10549

ttgccctagc tcaagccaaa ttattagaac aagaaaggga aattcgtcaa caattaatag 60

agcaaaataa agctttaatg acggccacaa aagccgcaga agatgccaac cgagccaaaa 120

gtgattttct ggccaccatg agtcacgaaa ttcgcacccc catgaatgca gtgattggca 180

tgaccgggtt attgctagat acgcatctaa atacccaaca gcaacaattt accgaaacca 240

tccgcagtag tggcgaagcc ttacttagtt taattaacga tattcttgac ttttctaaaa 300

ttgagtcggg acaatttaag ttagaaatcc atccctttga aattcagcaa tgtgtcgaag 360

aatgcctgga tttagttgcg ccccaagcct ttgcaaaaaa attggatttg gtttatcaaa 420

tcgagcccca ggtacctatg gcgatattgg gggatttaac a 461

<210> 10550
<211> 390
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189102e01b1

<400> 10550

gactctagag gatcacgctg ggaatggaag caatcagttc caccagaaag gcaatgggca 60

cccgctccgg tgcaggtaga aggttttcgc tggtcataac cgccacggcc agccccaagg 120

gcagggcaaa aattagggcg atgaaggaac taaccaccga gccgaaaata tagggtaagc 180

cgccaaacag ttgcccactg ctgtcccatt gttgactgac gatgaattcc caaccaaact 240

tggcgatcgc cggtcgggca tcggtaaaaa ccacccaggc gatccagccg agaatcacca 300

ctactgcgag ggaacagaga cgggtcaact gtttaaagcc ccagtccaaa ccattggtga 360

gggaattccc ttgggtaata tcccctcccc 390

<210> 10551
<211> 489
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189102e02b1

<400> 10551

ggtcgactct agaggatcat taccgacgcc ctagtagggg aaggctcatc cccccgccac 60

aaggaatccc ccgtttccac taaactcaga caacgagaag ttgttacccc caaacgatgc 120

aacgcctcag cggccaacac ttcccttacc ccacctttga gggttaggcg gccatcaccg 180

ccccgggaat agggagtctg gccagagcct ttggtgccaa aatcgaataa ttccccgttt 240

actccccgca cttggccgta gagaaaaccc cgaccgtcac ccaaattagg attatattca 300

ccgaattggt aaccgtggta acgcagagct aaaaatggcc ttaccccatg gaataaaccg 360

aaagcttcaa cgaaattatc atccttaacc tgacttggct ccagacccaa catgggcaac 420

aggcgatcgt tacggaatct cagtttatgc tcaggaaaag tcgctgctga cactgggtca 480

aaaaattca 489

<210> 10552
<211> 467
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189102e03b1

<400> 10552

caagtttaca gcgactttaa tatcattaac ttcaccgccg gtaacaccgt tgctcagatg 60

gctggttggt ttaaaaagcc agtggaatcc ctagcggatt tgcggggttt aaaaatgcgg 120

attcccggct tgggagggca ggtaatggct caactagggg tcaacgtcca ggtgattcct 180

gggggagaac tattcctagc tctagaccgg ggcaccattg acgcagcgga atgggtaggg 240

ccctacgacg acgaaaagtt agggctaaat aaggcggcca aatactatta ctatcccggt 300

tggtgggagc caggccccag cttggacgta ttggtaaacc aaagccaatg ggcgaaattg 360

ccgccggaat accaagctat tttccaggaa gcggcccgta gtgccaatct attgatgcta 420

tcccgttatg aaacttttaa tagcattgcc ctgaaaacat tactgga 467

<210> 10553
<211> 472
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsrow189102e04b1

<400> 10553

aaccaaaaac tgcggggcat catctggttt cgcatggcct attacactcc ggtaattacc 60

tctattgtgg tggcaggcat tgcctggaaa gccctctacg cttccaatgg catcctgaat 120

caaattcttg ccctactggg atttagcgat ggtattcctt ggctcaccag tcccaattta 180

gccctgtgga gtgtgatggt ggtgacagtg tggaaagggt tgggttatta catggtcatt 240

tacctggccg gactccaagc cattccccag gaactctatg aagccggggc gatcgacgga 300

gcggacggtt ggcgacaaca ttgggatatt accattcccc tcatgcggcc ctattgtttc 360

ttagtaggag ttttatcttc catttccgcc ctcaaagttt ttgaagaggt gtatatcatg 420

acccagggcg gccccctcaa cgcttncaaa acggtagttt attatgtcta tg 472

<210> 10554
<211> 419
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189102e05b1

<400> 10554

gtgtctgccc cacggggatc ttgaccaatg gccgtgcttt cactttacag gtcgatggtc 60

ttgaagtagt tgaggacatt gaagcccgtt accttcaggg aaccgccaac attttctggt 120

gtgacagggc gatcgttcac cttagtaaac tgatttgtcc catctacagc agagcgcacc 180

cgccaagtag ctccactgga agcgttacct gcccactggt agctgagaac gccagtgagg 240

ttattgattg tgtcgcccat gcgaatatca ctagcggtgc tgaagctgga accaaaacca 300

tccagattgc taatttctgc gttctgcaca ctcaggccat catcgtaggt aatggtgcga 360

gcaccgattt cctctcggta tgccccatag cctgccacat tagcatcatt aaactgggt 419

<210> 10555
<211> 450
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189102e06b1

<400> 10555

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acggctctca gccgtctggt cccagggctg cagcaccatg gtttgcactg ataattcccc 120

tgtaaactcc tgctgaaagg tttgaatacc agtcaaaatt tgctccaact caatgccggc 180

gatcggtcgg ttaattcttt gtaactggtc tggccacaat ccgtctaatt tgacagaaat 240

cttgtctgct aaggagagct cttctcttac ctgagcatca tttaacaaag tcgcattggt 300

gagtaccagg gttaatttcc cagtcaactt tttaatgcct tcgagaattt cccctaaatt 360

tttggctaac gtcggctctc cgctgccgct taaggtaatt acatccacct cccaggggc 420

aaactgggcc aattctcgca aaatgtcagc 450

<210> 10556
<211> 583
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189102e07b1

<400> 10556

gcaggtcgac tctagaggat caaactagcc gattccagcg gttgggcaat gcgaatcaat 60

aaatcgtaac cctcggcgat cgcgtccaca aatcgatcct gcagagttaa ctgcacttcc 120

acttgggaat gtaaagccat aaacttcgcc accagcggcg caatgtacat ggtgccaaag 180

gtcatgggtg cattaactcg caacagaccc ttcggttccc catggagttg ggacactgac 240

aattctgctt cctctaaatc tgccaaaatt tgcaccgatt tttcataaaa ggctatccct 300

gtgggggtgg gggtcacttt acgggtactg cggtggagaa gctgtacttt aagctcattt 360

tctagggcaa tcaccatctt attcaccgtt gatcgcccca gattcatttt ccgcgccgcc 420

gccgcaaaac tgccctcccg cacaacttgg gtaaaggcgt aaatactttc aagtttgtcc 480

attgatattc ctattgtccc tattttggat gcaatctgtg cttaaaatac tatattgtct 540

atattgggga tgcaaactag aatgggaacc aaggtcacaa acc 583

<210> 10557
<211> 505
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189102e08b1

<400> 10557

cctgcaggtc gactctagag gaccactttt ccccacgaat ttttgcagtt ttgcgggatt 60

ttgtcacaat ctttttctaa aacttggatt ttacccggac ttaaaagtta acctaactca 120

aaggatgtaa ctccgtaaat tttatctagg gcgatggagg gggcttgccc agtgtacatt 180

cgagcagttt caaaaactac ctgcaggcta tatttcgttg ctagagtgat cgccgcttgg 240

ttgggttctg gcacatctag gtaaatggta ttttccgctg taggaattgc ttttagagct 300

aaaaagataa tttccgctac ctctggagta tcagcaaaca gagggccaat tttgtaacct 360

actcggcagg ggcgtagaac gccataaccc cgtaaaatcc catcttcttg gtaggcgatc 420

gcctggtgcc ccgattgatg acaccatgtt cgtaaaaatt cttccctggg ggcaggaaag 480

cattgatccc cgggtaccga gctcg 505

<210> 10558
<211> 209
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189102e09b1

<400> 10558

caggtcgact ctagaggacc ctgatgggaa aaatctgccc ccactaagtt accccggtta 60

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agaatgccag tccggactac gaactgccat cggccaaggg actggggctt ttccctctgg 180

accctggcga tccccgggta ccgagctcg 209

<210> 10559
<211> 488
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189102e10b1

<400> 10559

gggagtcccg gtctgttatt tcatgctcgg gagcaaatgc ttagctttac agcggaactg 60

cggcaaaagt taatgcaacc accaactagt cctctagcag cctttgattt ggccaagatg 120

gtggatggca acttggataa cagtgcccaa ctctggttag tggactatct ccagtatcac 180

tattggcatg gccaccacca acggccatgg ttagaaattc tggaaaaagc ccgtaaatac 240

ctggccgcct acgttcaacc tcggctagtg tgggaaacga ctttcctcgc cctttatcgt 300

ttagaaaact ctggcgatcg ccgataattc cccaataact agccccaaga ttgttcttgc 360

tgaacggttc caatgctaag cctgcctgac aatggggaca aaacaggcgc aaaaggggct 420

tagtcggaca aaacggtatc ctatgctaca taatttttttc ttaacctact cgtagtatgg 480

ggtcttat 488

<210> 10560
<211> 461
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189102e11b1

<400> 10560

cgacttaatc tcaatttggg gggttagttg ttttgtttca gcggattcta accattgggg 60

gagattttct ggcgtaatag tttgtagatt ctctaacagc aaaacgctgg accgaaataa 120

actctctata tccacttccc gatggtcagg gcgaaaaccc ttcaagcggc ggataccctg 180

ccccagtaaa gtcactgctc cccgccaatt gtgattgcca agatgatagt gggctacggc 240

aatttgcaaa ataccttggt agaaattttt ctccgacggg ttagcctcta gccacactgc 300

ttcgagggtg ttatggcagg cgtaaaaatc ttgccggtta aattgttcga tgcctaggct 360

taggccgata ttttcgtcca tggttaatgg atgcactgtc gatatgtcga tagaggggag 420

ggtcaatatt aggtcagttg ggatggagcc gaggtaattt t 461

<210> 10561
<211> 338
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189102e12b1

<400> 10561

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tgactactct gtattagggg gggattgatg caaccctgct gatgttgtag gagccgccta 120

taacgatgcc caaggcgtaa cggcggaatt taatttaaat atgttgcgcc atttaaattg 180

gcgttttcaa ggtaattttg cgttggataa ctcatgccat acggctgatt tgaatcagca 240

gaaatcccaa attgaaatgt atttactcag tggcacgaag catacggcgc gggtggaaaa 300

tcttgattta acggtggatc tgcaagctgg agaaacca 338

<210> 10562
<211> 180

<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189102f01b1

<400> 10562

atccaatcca agccaatcct gcataaaaga gttgcaagcg agattgtagg tggcatttgt 60

tatcggatac aagaatgttc ggtttagcag ctgtgatgct ggcatttaac tgcaccatga 120

atgcggtaat tttatcggct cgccagcgaa tccaggccgg atccccgggt accgagctcg 180

<210> 10563
<211> 328
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189102f02b1

<400> 10563

atcgccggta ggccggccgc attggcgggg gggcaggggg caatccattc aatatttttt 60

tgcaccacgt cgggggggcga tagatgggtc cattccccga tttttggggg ccgatgatta 120

aaaacgggca aaattagggc gtcatactgt tccataaagc cgacaatttg gcgggaaatc 180

acctgcatat tccttacccc ccgcagatag tcccccgcag tgccactggt ttcccctaac 240

cactgattaa ccgattccaa caggggtaaa ggaatgccgg aagcccccac cccagctttc 300

caaatttggg caaagggttc aattaaac 328

<210> 10564
<211> 516
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189102f04b1

<400> 10564

aatcgccgtt tgccagggtt ggggtaaggg cgctttttttc ctttccggta gggcaatgca 60

gacatggtgg gtttgggccc gggccagcag ttgggcagac tcggcttggc taatctcata 120

atcacagcaa aaacgatggg cactagcctg ggtaatggtc aagttcacca acaggcgatc 180

gccgcagtgg gcaggggcga aaaaatcaat gctggcatgg actaagggca aggcaaaatc 240

cccgacacta atgatatttt gtagggataa atgttctgat gacagccaac tttcataggc 300

ttcatggcac atttgcaaaa attggttgaa ataaaccacc ccagctacgt gcgtgtccgc 360

caggtaaact tgcctttcat aggtaaatgt ccccatagtg ccccccagtt aaccgaccac 420

tatcccttga actactccac ctgttctgga actggccaca caaatccaca gtcaatcagc 480

ctggaaatca gcaacaatgg tcaaaaatat taagaa 516

<210> 10565
<211> 364
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189102f07b1

<400> 10565

caggtcgact ctagaggatc gccatcgttt tggttcttct aattgcggtg gtgctattac 60

ggggcaatca atttcccctg atggtaacgc aatacagttg gcgcaacacc aacatcgggg 120

cccaaaccca ggccctgacc atgactttta accatcccgt tgacccggac gtaatggagt 180

caggcttggt aattgaccca cccctggcgg gcaaaaccat ttggcagggg cggcgttggt 240

tctacaccct aacggacatc ccccgttatg gcactaacta tcaattgacc ttacctttac 300

ctgccatggt gcggggtcca aggggacagg atttcaccag tctgatcccc gggtaccgag 360

ctcg 364

<210> 10566
<211> 458
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189102f08b1

<400> 10566

tgcaggtcga ctctagagga tcgtctccaa aaagttgctc cgtttgaagg cgaactttac 60

cgctaccttа atttcaatga gattgataat ttcgaggact tcggccgagt cattccccta 120

gaccaaatgc ccaagattga ggatattttg ggaatgccag tgggagctaa gtaagccgta 180

aaattatggt gggcctttta tggctcacct taattttgac tattcattta attcacccct 240

tatcatcacc gaagcagaat attttattac caggaaagga ttttatttcg tcttgaaaca 300

aagcttctcc aaagcataga cacaatcact gtattgggga gactgaagat tttctgtgta 360

gtccttaagt ctggctcaaa ttttctaact atcccaattt taaatggaca acgcgacaat 420

cactgcaatt gctacaggac tactagtcgt ggtcggga 458

<210> 10567
<211> 446
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189102f09b1

<400> 10567

tgacaaccca ccttgtcttt gaccaaatgc ctttcgacat aaatggcttc ataggctaaa 60

tccaaaggac ggataaattc ccctttaaaa gagtgcagag cctggagcaa ggaaaccgta 120

aaagcagagg aagaccccag accggtaaaa gctggtaaat ccgccacgtt atgaagctca 180

atatcttttt ctaaaccaca gaatttcaag cattcccgaa aaaccacgtg ctccatttcg 240

ctaggatttt taaccaattc cactttgcgg taggaaacgc gaatggaata gtcaaataaa 300

tgactcagaa aaggactagc agtaacgtag gaaaatttgt cgattgccgt agctagaacc 360

gcaccaccat gctggagaaa atactcagga taatcggttc ccccaccaaa aaaactaatg 420

cggacagggg cacgggaaat cagcat 446

<210> 10568
<211> 183
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189102f10b1

<400> 10568

ggtggaagtt aatgccaagt tggatttggc ccaggaaaca ttccaaagtt ttcgccattt 60

acctttgct caacgggggc aatggttaag aaaggcggcg gatatcctcg aacaacggcg 120

ggatgaatgg gccgccctga tgaccctgga aatgggcaaa tcgatccccg ggtaccgagc 180

tcg 183

<210> 10569
<211> 367
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189102f11b1

<400> 10569

gtaactcatc tgctgattta ctagggtaag gaggggcaat cgtaatcaaa actcggtaaa 60

cggtaccggg gaacaaatca tgaaacatct ggagcatggg gtcaagacta atggcatccg 120

gcacgcaggg cagaattgtt agatgggcct cttggctaat ttctttgagt tcattactat 180

cgggccgggc gggggtgtcc aaaaccaaaa aatcattccc ggcaatatgg gctggagcag 240

acttttcatt tttgacctta aataagggtt gtttttcccc acgggcggcc catttctcca 300

ccgaacggtt agggtcagag tcgattagca acacttttcc cttgtcggct aagtaacggg 360

caatgtg 367

<210> 10570
<211> 65
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189102f12b1

<400> 10570

actaatcaac ccgtgaccgc tgactttgac cggactacaa aaaggggggaa gggttaggga 60

agggg 65

<210> 10571
<211> 263
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189102g01b1

<400> 10571

tcggtgcaac tgcaacaggc aaaagttggt ttatcgacaa gggcggcaga aaatttaacc 60

atagccgaag tgtcggaacc agaaatggta ttaaaaattc tcaaagcctc tgcccgctct 120

gtgcccaacg atagtctgaa ttactacggt gctggccatg tcaacgccgg ggaagccgtc 180

aaacaggccc aacaaggaga gatttccttc cgggatttca tgcgttggtt gcgggataac 240

ggttatctca atcccatctt ttg 263

<210> 10572
<211> 309
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189102g02b1

<400> 10572

atcttcttta taacttccca cgtcgtaatt ttgcttaggc tacagcaaaa aaaggcgatc 60

gccacagtca atgacgacag acaggtccaa actcaaaata aaatttcaat actaaacaac 120

tttattaatc tttacagttt tcctgagttg gtggaactat cattgtttta ccaagatccc 180

aacttgatta tagagtttat gtttttacag tcctggaaaa gcttagaggg aacccatttg 240

aaggacaagt acttacttga aaccttgctt gggattggtg ggttcggcgc agtgtttctg 300

tcaaaaaca 309

<210> 10573
<211> 360
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189102g03b1

<400> 10573

gatcgccacc cacggcttgg ataatttcca ccacttcggc gatcgcctct gggagattaa 60

tgcccagcaa agccaaaatt tccgacggca gatcctccag gtgggaaccg agccttatag 120

gggacttata agaggaactt cccagttcag ttgtatccag taatgccttg gtaaccttgg 180

tgagggtagc tcccccattg gtcaacacat cggtcacatt gcgacgactg caacctaact 240

tctcggcaat ggcactgccg gtggtgaagc cagaacggat cgcctcgaca atatgccagc 300

gggcaatctg ggaacgatcg ccagcgtggg gagtaatttc aaaaccatgg aggcaaacat 360

<210> 10574
<211> 572
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189102g04b1

<400> 10574

agaggatctg tgcattctaa aatgttgttt tgattttgac aaaattacgg aaaagtttaa 60

aattccaccg aaattgttcc ccttaccgtt aggggcgccg caggatcaac gcgagtccgg 120

cgttgggtcg cttcgatgta atctatattg aaaagattgt taacgttaat ggcggccctc 180

cagttattgc ggcggtaaaa tacgcttata tcagtacgta gatagctcgg tatttgaaaa 240

gaattattta aatcaccttg gcgttccccc acataaaaca atcccaggcc aaatcccaaa 300

ccctgtaaat caccggcttg aatttcgtaa gttgaccaca aactggccga gttaaaggga 360

acccccctcaa gcaaattacc aggctccaga ttgtcatcct tggtgaccct ggcatcggta 420

taagcatagg aagcaataat attccagccc ggtaggattt cccccgcgat atcgaattca 480

acccccttac ttctttgctc tccggatgga atggagaagt tgggattttc agggtctgtt 540

acagccagat tacttactgt gatttcatat gc 572

<210> 10575
<211> 500
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189102g06b1

<400> 10575

taactaaaat taccaccgtt tccatgtttg tactacacta gaataagctt cgcagaagct 60

taagaggaac tagttccttt gctaaggtga tgagggctct cttccctcgc atcgagattg 120

agccttgagg gggtgagcag aggaatatac tccacagggt aatctcatca tgctggcact 180

attcccccat accctgtgaa atgctaatgc tccctttcag agcagagggc gatgtttccc 240

tatccctact ttgcagtcgg ggggaagggg agcagacaat gagattatcg gggtccctct 300

gattcttgct gttccccatg ggcttttctc aataacctta gtccggcttc tttcggggtg 360

ccgtccccat tgacgtagga gtagagggtg gcggtgctga tattgagctt ctgggctact 420

gccttggcac aggcttctgg gttcttcatc gcttccatta acatctggag cattacccta 480

tccatcttcc ttggtctacc 500

<210> 10576
<211> 309
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189102g07b1

<400> 10576

caggtcgact ctagaggatc tttaactgga gcgacaaacg tagccatggt taattgtctc 60

cgtcacaatt tttcgagctt aatagtttgg ggtcagatga ttaggggat tgcaccgaaa 120

aacttatgtt aatcggtata tttccgtatg ctaacgacgt ttagcggcaa cctgggggt 180

catgccaccg attaagcgct gtagctcgtc cggcttacca ctcttagcta aaccttcttc 240

cagggaaatt acccccgaca ccaccaacgt ggccaggccc tgttccatgg tctgcatacc 300

tagttttgc 309

<210> 10577
<211> 208
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189102g08b1

<400> 10577

ggatcgccgt ctgacgatta acttacctcc caggagttgg aagagatttt tgtgtcattt 60

cccaatttaa actcaggcaa ccggtttggg gctggaacat caacaattcc cccagagccc 120

tgacgggatt ggcttggtgt actgactggg tatggaactg cacttttaac tggtcaccgg 180

cagtggtgat ccccgggtac cgagctcg 208

<210> 10578
<211> 404
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189102g09b1

<400> 10578

tgcaggtcga ctctagagga tcatcgggac agttatgaag atttagtgca ttttgtcgaa 60

atcgtggcaa acgctggctg tcaaagattc actgtccatg cccgtaaagc ctggctccag 120

gggcttagtc ccaaggaaaa ccgaaccatt cctcccctac gttacgaaga tgtttatcaa 180

ttaaaaaagg attttcccca gttattgatc gaaattaatg gcggtatcac ccaaactgag 240

caaattcaac agcatcttag ccatgtggat gcagtgatgg tgggccgagc cgcctacgaa 300

aatccctacc ttttcgccac cgtagaccgg gacatttacc acaaaaccaa tttagtcccc 360

agccgagcgg aaattattga acgtatgttg ccctatgtgg aaga 404

<210> 10579
<211> 454
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189102g10b1

<400> 10579

gtcatcattg ctttgggcat tcaaccccat tggttaaccc agtggagtga gccccaaacg 60

gcggttttgt tgacagggca cccagattta gtcagtgtgc cagccccgcc ccgcatcgaa 120

attgaagtca aggaattggg ggaagtgtag ggctccagca aaccgaagtg agtttaaccc 180

acaatgatag aagagcaata attccctgat cgccagagct tttccgtata tcatccgcaa 240

aagtgtgtta cgccgattag catacccttа aatgaactat atgttcccca tgttcccccg 300

gaaagttctt ggatgtagta cgagcaacta ttcgtctcaa gaactactcc tagcgcactg 360

ttggaatcaa tttctcccaa aaagcaggga attagcctaa acaatttggg agtagtatct 420

tggctataac tttctaagcc acgtcgtcat gggc 454

<210> 10580
<211> 508
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189102g11b1

<400> 10580

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cctaggaaaa atcgcccgtt accgattcta ccccagcaga gagcgcaaat cctttgttat 120

caagagctaa tccttggcac caggggaatc tgccgcaact taatgccggg aatggtgaac 180

tgttgttcga tctgatttgg ctctagggga atcgtctcag taaacttgga ctggcttgtg 240

gataacaccc ccaacacact caggggcacc tgcaaaaata aattggccat caaataggcg 300

atcgccgcta gcccaacccc tgccaaacga atctggggca aatccgtcac ccaaggatag 360

gcgatcggag cgtagtaata caccagccac aatagaccca gactaattat tcccccaaac 420

aaagtaatcc atcgttgttg gctccgttta aacaaactta aaattcgcag ttggtcttcc 480

cccaaactat cctggcgcag agcaatga 508

<210> 10581
<211> 468
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189102g12b1

<400> 10581

gatcccgact ttgccgaatg actaaagtcc ccgccagtaa atctccaatg cgtttttccc 60

gccggccaaa aatgattaat aaagcgccga tgtaaagaaa atcatcaatg gggcggaaca 120

gagctcttaa actagcttcc tgtaagccaa cggggcggcc atctccccga attacccgaa 180

ttttagccct gcgtttaccg ggggtttgac cctgccagag ggtttcaaaa aagacaaaat 240

aacccacata aaccgcaaaa atgaggaaaa tttggatagc ggtgagccag agttgccatt 300

ccccggaggc gtagagggaa aggttatagg ccaacaccgc ccaaataatt agcaaaatta 360

aaacaacgct tcccagacag acatagtcga tcagcaccgc atagagacga ttgccgatgc 420

ccgccaaagt aaattccaat tctacgcttt cgggggtttc cacctgat 468

<210> 10582
<211> 237
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189102h01b1

<400> 10582

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gactgtgtga ttgcggcggc ggatactttt cgggcggcgg cggtggaaca ggtgaaagtt 180

tgggggggaaa ggagtggcgt tcccgtcatt gctaaccctg ggcaaaatac tgacccg 237

<210> 10583
<211> 108
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189102h03b1

<400> 10583

aattgatggg gccgtttttg tttgctcacc tgggcaatta aatccggtac cggagccaac 60

ggcaaactgt cgggtaaatc ctgtttagct attttggctg tccatgtt 108

<210> 10584
<211> 414
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189102h04b1

<400> 10584

gggagccgtc aagcacactt aaaagaagtt ccgggttgta attaatacgg cctatggcct 60

ggccagagcc cacgccgtga atagaaaaaa acaactcatc aacaatcttg taaggcactg 120

cttcatatgg ccattggtga tggagtaaaa cctggtgacc gggtttaagc ctcatgcgaa 180

cctgggagtg aatgcctaaa cgacctaata ctggtacatc cgcctcaaca acttgaaaaa 240

tcatgtctgc aattgaatcg cgagaaaaga ccgcaatggc aaaaccatct aagtcccgca 300

cattggcaat aacaacctga ttttcagttg gttttaatcc caaaaaattc agctcccctg 360

gcgttattcc tataacgggc ctgaagtgct caacattcac acactgtcca gcgt 414

<210> 10585
<211> 385
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189102h05b1

<400> 10585

attcattgcc gatagtgata acctcccttt ggaatttatt ctttgtcaga gtgctcccaa 60

caaataggga aaattatatt tttcgccatc aaagattaaa tttaagtcaa ttaatcgccc 120

ttactctgct caccttactg ctaagcctag gttttgccca agcccagtcg gcacaaactc 180

tccttagtca actaccgccc caaattgacc tagtggatcc cgtcaagtct gatttccccc 240

tgcaaaataa agcttttaat ctaggctttg aatcagattt atccggtaga attggtaact 300

tggattacac caccgttagg gtagatggag agccaatttt tttgattgct gtgcccacag 360

gaaatgctag taaagaagga gattc 385

<210> 10586
<211> 468
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189102h06b1

<400> 10586

gtcggggcca gtgctctgct gggagctggt ttacccttta gctttggttt gggaatgatt 60

gccctgaggg ttttcctaat cgtgttgggg gtaacggccc taagtttagg tttagccttt 120

gccctgccgg gccacattga attgattgcg gtaatttttg tcactaattt acccctactc 180

ttcgccagta ctgcccttgc tcctttggac ttcatggccc attggttgca ggtggtggcc 240

agtttaaatc cattaaccta tgccatcgaa ccaatccgtt acatttacct gaatggcaac 300

tggggtttgg atagtacggt tttgactgcc ccttggttca gtttgaattt cgcccaggta 360

ttgggggtgt tagttttgtt tgatggttta gtattgttat taatccaacc tttgctcaaa 420

cgtcgctttt tgtgattttg tctgttgatc atagctgatc cccgggta 468

<210> 10587
<211> 220
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189102h07b1

<400> 10587

ccaaccaacc aatagaaagc accaaatcag tgcgttagat tgcggtaatt gccaagacaa 60

aggtgagcat ttgtccgcct acaaattctt ttctaaatta ggagcaaagg acaagctgca 120

actacacacc tgggcagcat tgggattggt gaaacgaaat cctcccccca ttaaatcctc 180

ggcatagtct aatttgagat tgtggaggta acctgcactc 220

<210> 10588
<211> 273
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189102h08b1

<400> 10588

ttgggagaaa gattattgtt gccggaacgt ttaatggttc tttcgcaggg aaaaggaaag 60

gctcagcggg aggggtttct agtcagtatc cgcccatcct acattggcga tcgccgccgg 120

gttgttcgga acatcccagc aaaaaagcct ccagccctcg ataatccgct aacctgaaat 180

taggtacttc tcccccattt acccaaggcg ttaaagcatt caggggttga ttttttaagg 240

ttatgcaaac aaccagtgac gttctcatta ttg 273

<210> 10589
<211> 294
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189102h09b1

<400> 10589

acctagttcg ataatgcttt ggagaattac ctgatttttt tccctagtca aaaggtcatc 60

taagaacgac ttatgaattt ttaaagtctg gagaggtaaa tccttgagat aggagaggga 120

agaatagccg acaccaaaat catcaatggc gatttgtatg cccatttcat ttagttgatt 180

gaggcgatta atggtttccc ctggttcata gagcataaga ctttctgtca cttccagggt 240

aatttgctgg taacttattt gagtctgagc aacaatactt tctatctcgc ttac 294

<210> 10590
<211> 410
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189102h10b1

<400> 10590

ttgatggcaa aaatcataaa actgttgctg tttctttccc ctacaactgc tttccacctg 60

ccccaaagtt aaattgctag cctgagcttt aatagcggat tgtaaagttt gtaagtaagt 120

ttttaagcct tggtaatccc ctacatcatt gttgaatgaa tagcggattt tagcaaaaac 180

aagaaattca ttactgctaa atttgtcgtt gtcaatactg atagcttttt tagcctgctt 240

ttctaactcc accaaagctt tgttatagag aaataaatca ctttcagaaa ccttaggttt 300

agctttgcca aacttttcta aaatttgata atagactccc tcttgcccca tcaatttttc 360

ccgtaaattt gaccaagtat tcagagattg caggcaccat accaacacca 410

<210> 10591
<211> 302
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189102h11b1

<400> 10591

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ggcaatgtcc aggggcgcga gaaatggaca acgctccagt aactccggtg aaaaagccaa 120

taaagggtta gtgctcaggg cggaaacctc caggttttga tagggcaccg ccagggcatt 180

actgaaagtt gccatctgct ctagactgga aggctgggcg gaaaaattta accattcata 240

ggtaatttca gccgcctcca tctcagcggg catagtccag agatccccgg gtaccgagct 300

cg 302

<210> 10592
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<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189102h12b1

<400> 10592

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ccccctcata agccgcattt aatcgataaa gagctgttcg ttgtgagttt aacggccctg 120

acaagtcaat ggttggacgc accagaccaa aattacctgc ctgcatagca acttcataaa 180

aaggttctga aaggggctgt ttggtaatgt aattaataac gccgccagga tctaaattgc 240

cgtagagtac ggaagccggc cctttgagga cttctatccg ttgtagattt gccgtgtccg 300

gaatagaaaa attatctctg aacttaaagc cgtcccggag agttccgcca aattgttgaa 360

aaccgcgaat attaaatatt tcggatgtac caccaacagt atttgctctc tgcacaccac 420

tgacattttg cagtgcttcc gaagcacgaa ttatttgcct gtcctccaac acctgttggg 480

gtaccacttg aatcg 495

<210> 10593
<211> 65

<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189103a04b1

<400> 10593

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cccaa 65

<210> 10594
<211> 360
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189103a05b1

<400> 10594

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aggagcccac cctacacctg gtgctccgcc tgcgtggtgg catgcagatc ttcgtcaaga 180

ccctcactgg caagaccatc acccttgagg tcgagtcctg tgacacgatc gacaacgtca 240

aggcgaagat ccaggacaag gagggcatgc cccctgacca gcagcgcctc atctttgccg 300

gcaagcagct tgaggacggc cgcacccttg ctgactacaa catccagaag gagtccaccc 360

<210> 10595
<211> 229
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189103a09b1

<400> 10595

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tccaacatct tcctcaagag gttctcgccg aggatatggc tgagcatgtg cggcttgaga 180

ttcggtgccg tcaccgtgtt catgggactg tgccagaact tttcgggat 229

<210> 10596
<211> 192

<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189103a11b1

<400> 10596

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ctgtttgatt ttcggcctga tgacaattcc atcaaatcgg ctctggcttg tattgatgcc 120

cccttgattc tttctgatgg aaatcaactt ttactcattt cgactgacct gaatttcctt 180

tctttgactt ct 192

<210> 10597
<211> 233
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189103a12b1

<400> 10597

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cctctgcgcg ccggtgggct ccgccgtcgc cgccgcccgg tgcaaggtgt tcggaggagg 180

aaggaacgat gggagggccg ggtgccgcgt cggggccgcg aggaagaata ctg 233

<210> 10598
<211> 375
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189103b01b1

<400> 10598

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cagagcgtac aaggcgaccg atcgatcgat cgaccgaccg gcaagcaatg gcggcgacag 120

ggagccctaa gggcctacgg ttcgctgcag cgtgcggcgt tctcagccgc tgcatcaagg 180

cggcggagac gcggccggcg gccacggtgg tcctcccccc catgcctgga gcggaagtgc 240

ccgcgcaaga cgaccacgag gcgggtcctg cgccggcgaa cgcgcagatg accatcttct 300

acggcgggca ggtgctggtg ctggacgagg tcccggctga cagggcggcc gagctgctcc 360

gcgtcgctgg tgtct 375

<210> 10599
<211> 452
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189103b02b1

<400> 10599

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ccgccggctt caagtacaag gtctccgaca acctccagag atgggtgatc gaggtgggcg 180

gggcggaggg cacgctctac gccggcgaga cgtaccagct gcaggtcgac ttccccgagc 240

attaccccat ggaggcacct caggtcattt tcctcaaccc ggcgccgatg cacccgcaca 300

tttacagcaa cgggcacatc tgcttagata tactgtatga ctcgtggtcg cctgcgatga 360

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gcccggcgga caatgaccgc tacgttagga ac 452

<210> 10600
<211> 169
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189103b04b1

<400> 10600

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ttggagagga ctagctgctg ctcgagagag agagatgtcg accggacgg 169

<210> 10601
<211> 385
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189103b07b1

<400> 10601

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ttgtgtgggc tgcggcggtg ctgctcgccg tggccgcctt ctcggcggtg gcggacgcgt 180

cgcctcggcc gtcaaagtct ttgaaggtcg ggttctacaa gcacacatgc ccacaggccg 240

agtacatcgt gcgtgacgcc gtccgccgcg ccgtctcccg caacccatgc ctcgccggtg 300

gcatcatccg catgcatttc catgattgct tcgtcagggg ttgcgatggc tcgctgctga 360

tcaactcgac acctgggaac tcggc 385

<210> 10602
<211> 373
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189103b11b1

<400> 10602

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aaatccacat tacgcttttc tatctggggg ttttcgaact atgccacccg tcacgtattt 120

gacacccaac ttccgttttt ggaggggatc aatcgtatac aaattccgat tcatcaaaac 180

ggcctttcat aaaggtcgtg ttttgatttc gtacgatccc aacggtgata ttacgggtac 240

atcagatacc gagaccacaa ctttttcgcg agtagtggat ttggagcagg aaactgaagt 300

agaatttgca gtcccctaca tggcaacatc gcctatgttg gagattgttg attttgcctc 360

ttttcccctt acc 373

<210> 10603
<211> 303
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189103b12b1

<400> 10603

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tctctctctc cccgcgagcc ctcacaagcg agaggaaaga gaccagagat gggcggcggc 180

aactgcaacc ccaaggactt cggcgccgcc gcctactggg acgcccgcta ctcctctccc 240

tccactggcg gcaagggcgg ccgctgctgc gggttcttcg actggtacca gtcgtactcg 300

gcg 303

<210> 10604
<211> 473
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189103c01b1

<400> 10604

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cccttgcagg tgtacaggac agagtaaata ggcagggtcg tgcaaaagga gaggaaagtg 120

cgcatccatt tgattgaatg gcttcaaaga ttcaagcctt cttgaaccat cccgctggcc 180

ccaaaaccat tcatttttgg gctccaacat ttaaatgggg gatcagcatt gcgaacattg 240

ctgactttgc taagcctcca gaaaagatat cctatcctca gcaaattgcg gttgcctgca 300

ctggagtcgt ctggtcacgc tacagcatgg ttatcacacc gaaaaactgg aacctttca 360

gcgtcaacgt tgcgatggca ggcacaggcc tgtaccagct ttcccgtaaa ataaggaaag 420

attatttctc cgatgatgga aaggaggtgg ctgctgcatc actggaagga tag 473

<210> 10605
<211> 263
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189103c02b1

<400> 10605

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gccgcggcga ccgcgaatcg cagcgccagt cgccccaccg cctgcgcgcc gcccgggaga 180

acgctggtct gctccgctcc ccggcagtct gaggcctgcg cggcgcgccg tcgcgaccac 240

ggtccgggcg gcggaggccg ggg 263

<210> 10606
<211> 422
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189103c03b1

<400> 10606

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agattacatc aagctaatga agacaatctt tgacttcgag tctattaaaa agcttctggc 120

atctccaaag ttctcgttct gttttgatgg tcttcacggc gttgctggag cttatgcaaa 180

gcgcatgttt gtggatgagc tcggcgccag tgaaagctca ctgttgaact gtgttccaaa 240

ggaagacttt ggaggtggtc atccagaccc taacctcacc tacgcaaaag aactggttga 300

tcggatgggt cttgggaaaa cctcaaatgt tgaacccccc gaatttggtg ccgcagctga 360

tggggatgct gaccgcaaca tggctcttgg taaaagattc ttcgtgacac catcagattc 420

gg 422

<210> 10607
<211> 303
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189103c04b1

<400> 10607

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ttacatcaag ctaatgaaga caatctttga cttcgagtct attaaaaagc ttctggcatc 120

tccaaagttc tcgttctgct ttgatggcct tcacggtgtt gctggagctt atgcaaagcg 180

catgtttgtg gatgagctcg gcgccagtga aagctcactg ttgaactgtg ttccacagga 240

agactttgga ggtggtcatc cagaccctaa cctcacctac gcaaaagaac tggttgatcg 300

gat 303

<210> 10608
<211> 302
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189103c05b1

<400> 10608

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tctacgagag ttattatact aacaaaggag tcaagatctt gaagggtaca attgctgctg 120

gttttgatgc tgacgctaat ggtgatgtca ccgcagttaa gctaaaggac ggcagtgtgc 180

tcgaagctga tattgttgtc gtcggtgttg ggggcagacc gttgactact ctcttcaaag 240

gccaagttgc cgaggagaaa ggtggaatca agaccgatgc ttttttcgaa acaagtgtcc 300

cc 302

<210> 10609
<211> 345
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189103c06b1

<400> 10609

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ttcgagtctc aagcacatta gttcaaggag gaattatgaa gctcagctac caccaacacc 120

gacaccatca attcatctcc tttccttgac ctgatcgcct cctaccacat gcacattgta 180

gacctacata ttccggtcct gggagaggtg gcgacaccag tctgagctga gggaagccag 240

ccacgcctca ctggcgtgtt ctgaccagcg ctagcaccag gcttgaccag tccgctcaga 300

aatcaacaag aacagcctac cttcttcatc ttcttcttct tcttc 345

<210> 10610
<211> 244
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189103c07b1

<400> 10610

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tccttccccc cgccggcggt cacaggcacc ctacggcact ctgccggtgc tcttatcttg 120

tcctacgcgt cgccagatcg gaagccgagg gccaggcata accgccggcc aagggagagg 180

acaggacaga atagcttccc ccgtgccgag atctgccggc cagatctgac ctcggaggga 240

ggac 244

<210> 10611
<211> 372
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189103c10b1

<400> 10611

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agaaccaaag catcaacatt ctcatttaga gaagagtgac agtgtaccaa aacctgcaga 120

aaagccatcc ccagtttctg ccgaggtgtc aggaaaagag acacctaggg ttcagagaac 180

caaagagaag ggaggtatag cagaaaagga aagagagaag aaggacaaag aggcttctcg 240

aagactggaa gaggcaaaag aaaggcaaaa gatattggag aaagaaagag aaaatgccga 300

agtcagtgaa aggaaaaaat tggaagagga ggaaagggag agggaaaagg aaagggtaaa 360

ggataagctt gc 372

<210> 10612
<211> 323
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189103c11b1

<400> 10612

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tcagggtgat cgatgatgat gaaggttagc ccaagggtca gcgttcacgt ttgcttgtgc 180

agcactagac atgggaagga gtgcccccat tacaacaata aaagagggga cagcgccaca 240

gccgattcac cagagaaaat gaagccggag caggccgccc acaacaagat gaccactgcg 300

acgtcctccc cgtcccctgt cgt 323

<210> 10613
<211> 326
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189103c12b1

<400> 10613

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ctgtatactt gaaccttctt ctgatcatgg cctctgctat ggttgttgtg gtgatgtgaa 180

gcaccccaac gatggtaatg catatgcttg tggtcggcgg aacatatcgt attgttttca 240

gaacggtgca cctgatctac ctctggacta tttcgtggac cgctattacg aggactctga 300

tgaagaggcg gaaagactga gatctc 326

<210> 10614
<211> 448
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189103d01b1

<400> 10614

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tgggagccaa cgccaagcca gccgagcgga ctcctctcct cctcgcagca gttcgcgatt 120

cgccccccaaa tccagcgccc tccccgccgg aatccggcgc cgaatcttgc agagagcttg 180

aaccgagcta tggacaactt gtggcatctc ggagatgagt tccgtgggca atcaaaggtg 240

gtggaggacc gccaatggtc tctcatgaca tcaaagctgg ctgagatcac aaagtcaaag 300

gctgagagga tgaatgactc tgagtatgca cggatgaaca ccgtccctga tgtgaagcaa 360

tgggataagt tatcctacca ccaagaagac aacatgatgg accacctcaa tcttggcctc 420

atgaacctgg atcttaagat gaatgatc 448

<210> 10615
<211> 386
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189103d03b1

<400> 10615

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cttctgaccg cctcgccgcc gcacgcacat gcagttcccc ccgtcgcccg cgcgctccat 180

ggccgcgccc gcggccgtgc ccgccgtgtc ctgcctgcgc ctcctcctcc tccccgggtt 240

cagcgcctcc ctcctcgcgg ccccgcccga cccggcggcc atgctgcgcc ggccggccgc 300

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ggacgacgag ccgcccgagg agggga 386

<210> 10616
<211> 315
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189103d04b1

<400> 10616

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gctagcagag aagaagccca gctcggtaag gagaggagag gcagaaatgg aggtggaggc 120

cagcgctcat ggtgacacgg cggcgagcaa gttcacgctg cccgtggact cggagcacaa 180

ggccaagtcc ttcaggctct tctccttcgg caacccacac atgcgcacct tccacctctc 240

gtggatttcc ttcttcacct gcttcgtctc caccttcgct gcggctccgt tggtgccaat 300

catccgtgac aacct 315

<210> 10617
<211> 349
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189103d05b1

<400> 10617

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aaccaggcag gcatcgacta ctacaataac ctgatcaact cactgataag tcacgacata 180

gcgccatatg ttacaatttg gcactgggac acccctcaag cactggaaga caagtacggc 240

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agcttcggcg acagggtgaa gaactggtcc acctttaacg agccacata 349

<210> 10618
<211> 405
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189103d09b1

<400> 10618

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ggcgactccg gagagtacag cgcagcggcg gctggaggcg cgaagcctcc tcaggcggct 180

caataagcct cctgtcgcaa gcattcagag ctcggatggt gatgtcatag actgtgtgca 240

catatccaaa cagcctgcat tcgatcatcc tctcctcaag aaccatacta ttcagatgcg 300

gccttcttac aacccaagag gcatgcatca tgactccaac atcacagccc atgcaatcac 360

tcaaatatgg catcaaaatg gcacgtgccc taagaacacc atacc 405

<210> 10619
<211> 151
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189103d11b1

<400> 10619

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cctattcttt gctgaagtcg catatacgcg aggagatgat ggattaacgg tgaacagttg 120

ctgcatactt gaaccttgtt ctgatcatgg c 151

<210> 10620
<211> 388
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189103d12b1

<400> 10620

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ggggcagaac ctcgccctca acattgcgga gaaagggttc cccatctctg tctacaacag 180

gaccacctcc aaggtcgatg agactgttca gcgcgccaag ctagaaggaa accttcctct 240

ctacggtttc catgaccctg catccttcgt caactccatt cagaagccac gtgtcgtcat 300

catgcttgtc aaggccggtg ccccggttga ccagaccatt gcaacgctcg cagcacacct 360

ggagcagggc gactgcatcg ctgatgga 388

<210> 10621
<211> 82
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189103e01b1

<400> 10621

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cgacgatggc ctgtgcaccc gg 82

<210> 10622
<211> 367
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189103e02b1

<400> 10622

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ggatttcccc acggtttaat tgaccccatc gaggaacttg gggagctggc ttcacaatat 120

ggcatttgct tgcatgttga tctatgcctt ggaggctttg tattgccttt cgcccataag 180

cttgggtatc caattcctcc ttttgatttt tctgtcaaag gtgttacgtc gatctcaaca 240

gatgttcata agtatgggct agccccaaaa ggcaccagta ctgtcctata caggaatcat 300

gaaattagaa agcaccaatt tgttgctgtg actgaatgga ctggtgggct ctatatttcc 360

cctacta 367

<210> 10623
<211> 345

<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189103e03b1

<400> 10623

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tcgttgggag tctgccatgg aacacaactg atgtggatct gaaggatgcg tttgggaaat 180

ttggccgagt tactgagacc aaggtggctc ttgacaagtt ctctggccgg tcacgtggct 240

ttggatttgt gacttttgat gacaagaagg ccatgaaaga agctgttgag gctatgaatg 300

gaattgattt ggatggaagg aatattactt gtgaaagagc acaac 345

<210> 10624
<211> 164
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189103e05b1

<400> 10624

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tccccgcgcg acgcccatac accttgacca ggccggaggc ggcgccgctg ggtcgagccc 120

cgccacggcg gccgaccccc ggaagggcaa gggaatctcc acca 164

<210> 10625
<211> 352
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189103e09b1

<400> 10625

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tgggtctcgt aggcggtgga tgagagcttg ggacagtgga ggagcatgac ggtgatggag 120

ctgaaggcgc taccgttcgg tttccggttc caccccaccg actaggagct cgacaggcac 180

tacctcaagg ggaagatcac ggggcagatc aagaacgagg tcgaggtgat cccggtgatc 240

gacgtctgca agtgcagagc cgtgggacct cccagataaa gctttgatcc gctcggagga 300

tccggagtgg atcttctttg cacccaagga ccgcaagtac cccaatggaa gc 352

<210> 10626
<211> 78
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189103e10b1

<400> 10626

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cgggcttaaa actcactt 78

<210> 10627
<211> 271
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189103e11b1

<400> 10627

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ggaggaggcg ttcatgggca tggcggagaa gtcgtggccg tcgcagccgc ggctcctgtc 120

cgtcggctcc tgctgcctgg tgggcgccat cgaggacggc acgctccacg tcgccaacct 180

cggcgactcg cgcgccgtgc tcggccgcct cgccagcacg ggcgggaaga agcggagggc 240

ggcggtggcg gagcggctgt cacgggacca c 271

<210> 10628
<211> 346
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189103e12b1

<400> 10628

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actgggagcc gatagtggcg cggaagaagg cgcataacgc cgccgacaag aaggacgaaa 120

aggccgtcaa cgctgcccgc cgctccggcg ccgagatcga caccaccaag aagtacaacg 180

ctggaacgaa caaggctgca tctagcggaa cttccctcaa caccaagcgg ctcgacgacg 240

acacggagaa cctctcccat gagcgtgtct caagtgacct gaagaaaaac cttatgcaag 300

caagactgga taagaagatg acccacgcac aacttgctca gatgat 346

<210> 10629
<211> 357
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189103f01b1

<400> 10629

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gcggcaacga caccaacagc agaggccttg ggggctacta cccaagcgcc tactcgtctc 120

cgcccatcgc gtaccctgca tacccccctc cacaagccgg gcatggatgc cctcctgcct 180

attaccctcc acagccacag ggatatgggc atggctatcc atcagcagga gcatacgggt 240

gtccacccta cagctatccc caccatcaag gtggctatca cggtcacgga ggatctttgc 300

ttgttgccgg tggcgcggcc gctgcggcgg cctatggcgc gcatcacttg agccatg 357

<210> 10630
<211> 294
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189103f03b1

<400> 10630

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gcggccaggg ccaaccaatc gtggcgcgcg tgagcaagga cgcctccacc tccctctaca 180

ccatcgccat caaggtcggc ggcgtgccgc tcctcgtcga cctcgccggc ccgatgctct 240

ggctcgccaa ctgccccacc ccgcaccgca tcatcccctg cgtctcccac gact 294

<210> 10631
<211> 435
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189103f04b1

<400> 10631

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ttacaccagt gtcgaatcag atttatcctt acacattaca tcagaacaac atcaggttat 120

gtcttcttag gtgctccgcc aatatataca ttcagcaacg actaccacag gaacaaaaaa 180

agaggcagtt gcggacgcgt gggtgtgcat aaaaatgttg gcgatgatat gattaaatat 240

tgcactattg aagaaaccag ttttctcaaa accggctgga agaaacaccc tcttaaacaa 300

ggatatttct tacctacact cgagaaggat tcaatcgaaa atcaactgaa ttggatctca 360

aaggagggag atgcggttga aaataccaaa gtcaactgca agaatgcctt acgacaagca 420

tttggtcatg gacgc 435

<210> 10632
<211> 78
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189103f05b1

<400> 10632

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tatgagctac cagctgat 78

<210> 10633
<211> 214
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189103f09b1

<400> 10633

tcgggagagg gaaggcgccg cggacgatga ctcgaccaac aatggagtcc ggcgcctgct 60

cgccgctcct gctcgggctc gtgctgctct cgctcttgtc attgggcaca gcgtcggcgc 120

aggaaaagtg cggcatgaac tacgggcaga tcgccaacaa cctgccggac cccacgcagg 180

tggcgagcct gctccggtcc atgaacgtga accg 214

<210> 10634
<211> 325

<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189103f10b1

<400> 10634

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ctgttcctca agccgacctc gtcgttcctc cacgcgggcg tggccaccac cgccgtcgag 180

gtgcccgagc cgctcgagtc gctgcaccac gaggtcgagc tcgccgtcgc catctcacgg 240

agcgcgcgcc acgtgcccga ggcctccgcc atggacttcg tctgaggtta tgctcttgct 300

ttggacatga cagcaaggga ccttc 325

<210> 10635
<211> 375
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189103f11b1

<400> 10635

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aacggtttcg gaaggatcgg gaggctcgtc gccagggtag ccctccagag cgacgatgtc 120

gagctcgtcg ccgtcaacga ccccttcatc accaccgagt acatgaccta catgttcaag 180

tacgacaccg ttcacggcca ctggaagcac agtgacatca agctcaagga cgacaagact 240

ctgctctttg gcgagaagcc agttaccgtc ttcggcgtca ggaaccctga ggagatcccg 300

cggggtgagt ctggtgccga ttacgttgtg gagtccaccg gtgtcttcac tgacaaggac 360

aaggccgctg ctcac 375

<210> 10636
<211> 297
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189103f12b1

<400> 10636

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ctgcacacct tcttcttcct cttcgtcgac gtcggcatcc ccaccgacta ccgtcatatg 180

gacggctccg gcgtaaacac ctacaccttc atctcccgtg ccggcaaggc ccactacgtc 240

tagttccact ggcgccccac ctgcggcgtc agctgcctca tggacgacga ggccacc 297

<210> 10637
<211> 73
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189103g01b1

<400> 10637

tcggcttcga cgccattgac ggctcccagc cagaggcggc gaggtacaca tgctcccttt 60

gctccccgct gaa 73

<210> 10638
<211> 365
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189103g02b1

<400> 10638

catccgccgc ccttttccac cccacgactg tggttcttcc ccttctttac tcaccccgcc 60

gtcgactatt cgccgccgtg ggctcatata ttagccgctg cgtgccgtct gccttcacat 120

tcacacacac tcgcccgggg acaagccaac tcttgcgctc ccacctccac agcagctcat 180

tagcagccgc gcacagagcc agcgtgcatc catggcgccc ctgctcctgc tcttcctcct 240

cggtggccta tgcgccctat tctccctggg ctactgctgc tcgcgcggcg ccaagaagtg 300

ctgcgacgtc gacggcgaga aggccaagag tcaccacggg gagcaagaag ccaaggccag 360

caagg 365

<210> 10639
<211> 312
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189103g03b1

<400> 10639

tcgcccatcg cgtccgcttg ccttctacat cctgtgcttt gcattcctcc ttccagttcc 60

aaccgcaatc aatggccgcc atgaagatca ctctccttgc cgtggccaca atctcggcag 120

tcttactggg caccgcgtcg gcggcgacct acggtgttgg cgagccgggc ggttcgtgga 180

ccctcaacac cgactacagc aactgggtgt ccaacaagaa gttccacccg ggtgatgaga 240

tcatcttcaa gtactccccc gcggcgcacg atgtggtcga ggtcagcaag gctggctacg 300

actcctgcag ca 312

<210> 10640
<211> 374
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189103g04b1

<400> 10640

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tgtgcagtga ccccaccaag tcatctctca ccccgggtct atacaagccg acttttgccg 120

ggtttgtcga caccgacatt tcgtccggga agatctctct gagaagcttg atcgaccgat 180

cggtggctga gagctccggc gccggaggga agacctgcat cctatcgaga gtgtacccat 240

ccatggcgat cggtaaagac gcacaccttt atgtgttcaa caacggggtg accgatatca 300

aggcgtccaa actaacggcg tgggagatga aaaaaccaat gatgaatggt gcctaagtag 360

tatataccgt atat 374

<210> 10641
<211> 413
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189103g06b1

<400> 10641

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cgacgagggc accgccggcg acgagaaccc cttctcgaat ggaggaggcc gcggcgggaa 180

gcagcagcac ggcttccggc ccaccgagcc cgtcggcttc ggcggcggcg gcagcagggg 240

cgacgccacc gtcgacgtgc cgctcggcaa catgggcgac tcgaatggca aggcgaggga 300

gctctcgtcg tgggaatcag atctgaggcg ccgcgaggcg gatatcagaa ggagggagga 360

atcactgaag aatgctggag tgcccatgga ggagaagaat tggccgcctt ttt 413

<210> 10642
<211> 373
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189103g07b1

<400> 10642

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cgaggtcttt tcccgcatcg accacaagtt tgacctgatg tacgccaagc gtgccttcgt 180

ccactggtac gtgggtgagg gcatggagga gggcagtgtt ctctgaggcc cgtgaggatc 240

ttgctgccct ggagaaggac tacgaagaag ttggtgctga gttcgacgag ggtgaggacg 300

gtgacgaggg cgatgagtac tagagcctgc ctcctggtgc tttcccaagg catgctgctg 360

caatcctatg atc 373

<210> 10643
<211> 424
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189103g08b1

<400> 10643

tcgctcggct tctccctcgc cttctacgcc gcctctccca agccctcctc tttcatcccc 60

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ggcggcatcc tccgccacct taggaccctc gtcgccgttg gcctcatgct tggcatgatt 180

gctggcttcc taggggggcag cgtcttcttc tcctacaaga tcggcctcga gggcaaggat 240

gccgtcatgt ccctcaagtc ccatgtcgaa aatggcaact actccgaaaa gattggcctc 300

aagaagttgc ttgacgacaa tgacatcccg ggcttggtgg agcagtactc agggaagctc 360

gtcgaaaccg tttgggagca ggtagaccaa ttggctgtac aatacaacct tactgatttc 420

acta 424

<210> 10644
<211> 111
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189103g09b1

<400> 10644

ccacgcgtcc gcggtgtttt agcgagctca gggaggccgt ccggaggcga cgaccgccgt 60

cggggaagaa gaagaagacg ccccaccact cgtatatgtc ttcttgcccc t 111

<210> 10645
<211> 338
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189103g10b1

<400> 10645

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ggcacgtacg actcggcagc aaacgcgtgg acgccgatcg acccggagct cgacttgggg 180

atcgggctga gatacgactg gggtaagttt tatgcgtcca ccttgttcta tgatccggca 240

aagaagcggc gcgtgctgat ggggtacgtc tgcgaggtcg actccaagcg ggctgatgtc 300

gtgaagggat gggccttgat tcagtcagtt ccaaggac 338

<210> 10646
<211> 271
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189103g11b1

<400> 10646

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ggaggaggcg ttcatgggca tggtggagaa gtcacggccg tcgcagccgc ggctcctgtc 120

cgtcggctcc tgctgcctgg tgggcgccat cgaggacggc acgctccacg tcgccaacct 180

cggatactcg cgcgccgtgc tcggccgcct cgccagcacg ggcgggaaga agcggatggc 240

ggtggtggcc gagcggctgt cacgggacca c 271

<210> 10647
<211> 359
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189103g12b1

<400> 10647

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tacaagttac aacaacacaa gtttgagaag ctgcctgcct cgcctgttca tggcatggcg 120

gcagcgagaa aaaacaacag taacatcaac ttaactaagt acaatgaaac gtagatatac 180

caggaacctc ccgcttcaca gtcttgaaca cttctatatt cactttctgt gtacgtgttt 240

tcttttcctt tggtgttacc ttctctcgtc gactgctcag cagagcggca gcggcgcgtg 300

ctcgaccagc accgcccgca gcttctgcat cagcgggtag ttggggctgc aggggtcgt 359

<210> 10648
<211> 339
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189103h01b1

<400> 10648

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gcggcaggaa cggctcctcc catgggacca ccgagctctc gtcgccgagg gaccacgacg 180

ggcacggcac ccacacggcg tccacggcgg cgggggccgt ggcggccgac gcgagcctcc 240

tcggttacgc ccacggcacg gctcggggca tggcgcccgg ggcgcgcgtc gcggagtaca 300

aggtgtgctg gaagcaggga tgcttcaggt cggacatac 339

<210> 10649
<211> 245

<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189103h03b1

<400> 10649

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ggtttgtcga cacctacatt tcgtccggga cgatctctct gagaagcttg atcgaccgac 180

cggcggctgc gagctcaggc gccgggggga agacctgcat cctatcgaga gtgtacccat 240

ccatg 245

<210> 10650
<211> 143
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189103h04b1

<400> 10650

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ggaccaggca ccggcggagt cgggccccaa ccagatcttc aagatctact gccgggcctc 120

ggaggactac tgcctcgccg tcc 143

<210> 10651
<211> 362
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189103h05b1

<400> 10651

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tagagtgcgt cgctggagca tggattatca gcgttcaaca tggggcaagg ttacaactgt 180

gctgcacatt ggtggctcag gcgttggtgc actcccaacc aaggcaatgc tgcagaaatt 240

gcggatgttt aatacctact ttgaggagat ctacgcagta caatcagaat gggtggtagc 300

cgatgatcag ttgcgaatgg acgtcagggc agcagtggag gattcagtga tgccagcata 360

tg 362

<210> 10652
<211> 256
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189103h06b1

<400> 10652

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ttctggcgcg cggcggggat gacctacatc ggctactcca acgtctgcgc ggcgctggtg 120

cggagctgcc tcaaggagcc cttcaagacc gaggtctcct cccgcgagaa ggtccacttc 180

tccctctcca tgtgggccga cgagaagcag cataagccca ctgtgcgcac agatgatgaa 240

tgaagatcgg gtgcca 256

<210> 10653
<211> 138
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189103h07b1

<400> 10653

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cgtgccggct cctcccggat ctccggtgga acaccatcat gcggaggact cctcctcacg 120

cggcggcatc ctccgcca 138

<210> 10654
<211> 391
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189103h09b1

<400> 10654

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caacaagaat gccttcaagg cacttattgc tgcagagtac tgtggggtca aggttgagct 180

gaccaagaat tttgagatgg gtgtctcaaa caaaacccct gaattcatca agatgaaccc 240

ccttggcaag gttcctgttc ttgagactcc tgatggtgct gcttttgaga gcaatgctat 300

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atatgcgcgt gttgagcaat ggatggactt t 391

<210> 10655
<211> 360
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189103h11b1

<400> 10655

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catggccagc gtaggcacgc acgcggcggg agcgggcgag cagacaccgc tcaagaaggc 180

gggcgaggcg gagcaagacg aggagctcca ggccccctcc ggctggacca agaagcttaa 240

ttccactcgg ggtgggaagc ctgaggacgc ctcctgcgca ccaactggcg aggaggtcaa 300

gaccaagaga gctttaacca catacctaaa agcacaccct ggaggccctg ctctttcaga 360

<210> 10656
<211> 437
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189103h12b1

<400> 10656

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ctacctgctg ctcaccttca actcctccgc ctccaccatc aacaagctct acagtcaggt 120

gggtaccgcc aagatcaacg gcagcacgcc ggacgaccac ttctgctgga accggccgga 180

ggacatggcg tacccgcggc cggtccagca ggcgagcgcg gccccggacc tcggctgcga 240

ggtggcggcg gcgctggcct cagcctccat cgtgttccgc gacaacgccg cctactccaa 300

gaagctggtg aagggcgcgg cgacggtgta caagttcgcg cgcgccaacg ggaagcgcac 360

ccgctactcc cggggcaacc ctgccatcga gtacttctac aactccacca gctactggga 420

cgagttcatg tggagcg 437

<210> 10657
<211> 337
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189108a08b1

<400> 10657

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tcgatatgga agtagtctat gctcagaggt tcctccatta gcttagtgta aatattagac 120

ttgttggggt ttagtttgct agaaggaatt agtctctgct tggtgttcat ttctgcttgc 180

tacaatggct gcgatgaacg aaaaggtgtt ggctaaatgt ggacagaata tagttagcct 240

caagaggaag cgggacagcc ccgctgcata tcatgctgat gcctgccaca cctctcaatc 300

gcatcagcat tctactggaa actctgatat caggttg 337

<210> 10658
<211> 269
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189108a10b1

<400> 10658

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agctggagga tcaggcatta caccaatgtt ccaagtcaca agggcaattc ttgagaaccc 120

aaacgacaat acaaaaattc acttgatcta cgctaatgtc acatatgacg acattcttct 180

gctggaagaa ctggacaata tggctaaaaa ctatcctgat cgcttcaaga tctactatgt 240

cctgaatcag ccacctgaag tctgggatg 269

<210> 10659
<211> 295
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189108a11b1

<400> 10659

caagctctac attcatttca cggtggagtt tcccgactcg ctggcaccgg atcagtgcaa 60

ggctctcgag gctgtgcttc caccaaagcc tgcatccaag ctgaccgaca tggagctcga 120

tgaatgcgag gagacgacaa tgcatgacgt caacatggag gaggagatgc gtcggaaagc 180

ccatgctgct gctcaggagg cgtacgatga ggacgacgag atgcctggag gcggtgccca 240

aagagtgcag tgcgcacaac agtaagatag gttgggcagc atgctttttt gggac 295

<210> 10660
<211> 209
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189108b04b1

<400> 10660

tgattggtac tcttaccggt gctcagtggg gaatctatga cgcgttcaag gtcatggttg 60

gactcccgac caccggcggt gctccaccag ttgctccggt agaggaagca gcgaaagcca 120

gcgcttgatt gatttttcct actacgacga tgacgatgta ttccgggatg atgtggtatt 180

ggtggatggg gactgtatca attacttga 209

<210> 10661
<211> 311
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189108b05b1

<400> 10661

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agccagacaa gatgggcttc tcaagccact gctgtgaaag aaactgaccc cagtggcggc 120

aagataagca ttgggcccaa atccaagcag atcaaggagg aggacaaaga tgatggactg 180

gtttatcagg gaccgatatc atcaaccatc aagaaagtga agcttctgtc cctgtccacc 240

tgctgcctct ctgtgtcgct aggccctgtc ataacgttca tgactacgcc cgacatgaat 300

gtgatcctca a 311

<210> 10662
<211> 302

<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189108b06b1

<400> 10662

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acctggtccc gctttcctat attgcgggac tggtaaccgg ccgcccaaac tccatcgcca 180

cggctccgga tggcaccaag gttaacgcgg tggaggcatt taagattgct ggcatccagc 240

atggcttctt cgagttgcag cccaaggaag gccttgccat ggtgaacggc acagcagttg 300

gc 302

<210> 10663
<211> 324
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189108b07b1

<400> 10663

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ccgacaccaa caacatccgt cgccgatcga tcgataggcc ccgcccaacc gatcctcact 180

tcttcttact cttcttcttc cgcgggcttc tccctctccc tcctaactct ctcctcacac 240

ggatgcacct ctacaggcta cggcaacgaa gctagcttgc tacttgttgg ccttgcccag 300

cagcttctca tcttctcccc ggct 324

<210> 10664
<211> 309
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189108b08b1

<400> 10664

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tccaccttcc gcatcgggtg ggctggcgag gcggagccgc gcgtctcctt ccgcaacatc 120

gtgcagaggc cgcgccaccg tagctcaggt gaaactgtga cagttgtagg agacactgat 180

ccagctctaa tgaagtactt tgactgcaca cggacatcaa ttcgcttagc cttcgatgat 240

gatgtcgtct atcagttcga gtacatggaa tatattcttg attatgcttt tgaccgattt 300

ggtgccaca 309

<210> 10665
<211> 399
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189108b10b1

<400> 10665

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aggaaatgtg tgctgatgat gacggtgacc ttctaataga gtcttctgtg aaaggcattc 120

cgaaggtttt tgctgtatca actttagtca gcgccatgcc tgcccaacca tatatattcc 180

ggaactatca gtatccaccg ggcactctgg aggtatcacc aggaatggca gaaagtccat 240

ctcctggcgc agttggaacg gttgtttctg gtgcaccagt tgggattaaa cgtggagctt 300

ttatggggag ctgcaagcat cacgtatggg aagccataag agcatcatct gcagctccat 360

attatctgga tgatttctct gatgatgtaa atcgctggc 399

<210> 10666
<211> 380
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsrow189108b11b1

<400> 10666

cgtccccagc caacctcggg tggtcgnctc ngtagtcgca gcggcggttc cactccctcg 60

ccatgggcaa gattaagatc ggaatcaacg gtttcggaag gatcgggagg ctcgtcgcca 120

gggtcgccct ccagagcgac gatgtcgagc tcgtcgccgt caacgacccc tttatcacca 180

ccgagtacat gacctacatg ttcaagtacg acaccgttca cggccactgg aagcacagtg 240

acatcaagct caaggacgac aagacgctgc tctttggcga gaagccagtt accgtcttcg 300

gcgtcaggaa ccctgaggag atcccgtggg gtgaggctgg tgccgattac gttgtggagt 360

ccaccggtgt cttcactgac 380

<210> 10667
<211> 304
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189108b12b1

<400> 10667

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ctgggcgtgc ccaaggacgc ctcccaggac gacctcaaga aggcctaccg caaggccgtc 120

atcaagaacc accccgacaa gggcggcgac cccgagaagt tcaaggagct agctcaggct 180

tatgaggtcc tgagtgatcc tgagaagaga gaaatttatg accagtatgg tgaggatgcc 240

ctcaaggagg gaatgggagg tggaggaatg catgatcctt tcgacatctt ccagtcattc 300

tttg 304

<210> 10668
<211> 99
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189108c03b1

<400> 10668

atcgagggcc tttctgtacg cacctgacct gcatcagcag tcaggtgcca tgccatgctt 60

gtaaacaggc ccctaaataa aatctccctg gtttaactc 99

<210> 10669
<211> 314
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189108c06b1

<400> 10669

cccgccaatc ccaccaagtc cgccaaggcc atgggccggg acctgcgtgt tcatttcaag 60

aacactaggg aaacagcgtt tgccctgagg aagatgtcgc tcaacaaggc caagaggtac 120

cttgaggatg tgttggcaca caagcaagcc atccccttcc ggaggtactg ccgtggtgtt 180

ggacgcacag cccaggtgaa gaaccgtcag cccaatggtc agggacgctg gcctgccaag 240

tctgctaagt tcgttctgga tcttctaaag aatgctgaga gcaatgctga ggtgaaaggt 300

cttgatgttg atgc 314

<210> 10670
<211> 271
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189108c07b1

<400> 10670

aggaaggcca gcctcgtcga aaggctcaac gccctcaaca actctgccgg tgccgccgat 60

gatgacgagg aggacgatga gtgaagagcg ttcttgtcca ccccagtgta gtattgcaac 120

gtgcgttttt gttgaagtct ggcaccctgc ccaacgggcc tgttcctttg agttttggtt 180

atgtcgcttg agttatagat tgtgttatct ggattatgtg ccgtgctggc atttggatct 240

taatcttaat cctttagtct ggcacccttt c 271

<210> 10671
<211> 310
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189108c08b1

<400> 10671

ccgcgcgacc cgcaccgtag agcgtgtaac atactccaac acagcgacga ccgatggccc 60

ccgccgccgc ctcgcagcac caggcgacca ccgcggcgcc gccgagcggc cgtaaggtgg 120

tggacgaggt gtccggctgg ttgcgcgtga tggacgacgg cagcatcgac cgcacgtgga 180

cgggcccgcc ggaggccctg ccgctcatgg agccggtgca gccctacgcc gtgccccgcg 240

acggccacac gctccacgac ctccccgggg agggggagcc aagcctccgg gtgtacctcc 300

ccgaggtcga 310

<210> 10672
<211> 322
<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189108c10b1

<400> 10672

ataactcccc cgaaggagtg tcagtgagat cgtgggggcg ttgatgagcg cgtcggcctc 60

agccggctct ttgtcggtcg ccaagattca ggccaggagg cagataataa cccgggtggt 120

cctcaagagc ctccaagcgg acgacgtcgt cttcaagaag gtctcccggg cggtccactg 180

cgccttccgt ggcgtcctcc tcggcggcag cggtgccaag ggccagaagc tagtggatgc 240

agccctacgc cgcatcggcg cggggaagct cgctgaccgt gtggtgaagg cggctgaagt 300

gctcatcagg gtggccacgg tc 322

<210> 10673
<211> 130
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189108d08b1

<400> 10673

ggagacggtg gccgtcgggt cggtgaatct catgatctgg aactgcacca tccccggaaa 60

gcaggggact gattgggaaa gtggatacta cccacttact ttacacttca gtgaggacta 120

ccctagcaaa 130

<210> 10674
<211> 305
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189108e01b1

<400> 10674

aaggcccgca gatcttcgac agccgcggca accccaccgt cgaggttgat gtgtgctgct 60

cagatggaac cttcgccagg gccgctgttc ccagcggtgc atcaactggt gtttatgaag 120

ctttggaact gagggatggt ggatctgact acttgggaaa gggtgtatcc aaggctgttg 180

acaatgtgaa ctcgattatc gcgccagctt tgattggcaa ggaccctaca gctcaaactg 240

agctcgacaa ctatatggtt cagcagcttg atggaaccaa aaacgaatgg ggttggtgca 300

agcag 305

<210> 10675
<211> 288
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189108e03b1

<400> 10675

tctctcatcg ttttataatg acactatcgt gaactgccca acgtgctctt gcggctgcca 60

aaacaatatt actcgtccag gaagctgtgt aaatgacaat tcgccttatt tgcaatctgc 120

catcaatggc cctggcaaat taaccggcca gcctcttgtc caatgtactt cccacatgtg 180

cccgataagg atccattggc atgtgaagct caactacaag gactactgga gagtgaaagt 240

caccatcaca aacttcaact accgcatgaa ttatacagac tggaacat 288

<210> 10676
<211> 339
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189108e04b1

<400> 10676

tagagtagca ctttgctctt tcttcattcc actggtgcgt tgccgttcgg aatggaagaa 60

cctaaatgtt ccaaggctga ccgctcgaca aactatgcag gcaattttcc ataagttgtt 120

tctctagttt taaatactga cagccagtct ccctgcttct tgccccattt tgtttggtga 180

tgtgtatcta atgtgtacga cattcgtaaa atcagctccc ccttttagca agttggctga 240

gaacggctgt agtgctgatt gttcttgttc tgagttggaa aagctcgagg caccaaacaa 300

aaatgcagtt tactcttttc gctggcaaac aatgttgct 339

<210> 10677
<211> 305
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189108e05b1

<400> 10677

accatctcca ttaccgtcag ggtctttatt gtatccgtcg ctacacgacg ttctgccgtc 60

aagcagctac cctccgccgg gaacgacggg ctcactgttt ccgtcgtcaa atttcggacc 120

aaacagtagc tacccgccgc cgtcggcacc ggccactgca tatccgccac cgccgccgtc 180

gtgcacagcc tgcccggctc ctccggcaca atacatcagc agctatccac cttcactgcc 240

gagctattat cctcctccac caccgagcgg ctacccacct tcagcacgga tgaacccgga 300

gttcc 305

<210> 10678
<211> 308
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189108e08b1

<400> 10678

actgctgcaa cagtcaagcc acttcctgag cgagtccctc gtagagcccc ctctgcaatg 60

gaagaagatg aagatgaaga tgaggatgag gatgaggagg aagagtgggt tgaagtggac 120

ccaagtgtgc tggagtctac ctcaaacatg caagttgatg aggactctaa atcagatgat 180

gagatggctg atcttgaaat gttggatccc tcggtctgct tcatgtgtga tctcaagcat 240

gacaacatag aggactgcat gatccatatg cacaagaagc atggtttctt catacctgac 300

agtgaata 308

<210> 10679
<211> 257
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsrow189108e09b1

<400> 10679

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gcatatgatt atctcgttgt agctactggc catgtttttg cttctgctgg aagcagaaca 120

gagaggcttg cagaattcca gagagataac gggaagataa aatcttccga gtctgtgttg 180

ataattggag gtggtccaac tggtgttgaa cttgctgcag agatcgcagt agactatcca 240

gagaagaagg tgacact 257

<210> 10680
<211> 320
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189108e10b1

<400> 10680

atgggacgca tgcacagcaa cgggaagggc atgtcgtcct cggtgatccc ctacaagcgg 60

gaggccccga cctgggtcaa gacgtccgcg ccggacgtgg aggagatcat cgtccgcgcc 120

gtcaagaagg gccagctgcc gtcgcagatc ggcgccctgc tccgcgacgg ctacggcatc 180

ccgctgtcca aggccgtcac cggcgccaag atcgtgcgcc tgctcaaggc gcgcgggctg 240

gcgccggaga tgcccgagga cctctacttc ctcatcaaga aggccgttgc gatccggaag 300

cacctggaga ggaacaggtc 320

<210> 10681
<211> 340
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189108e11b1

<400> 10681

aagcagtccg acgtgatgag gttcgtgcag cgcgtgcgtt gctgggagta caggcagcag 60

cccgccatcg tccgcatcac caggcccacc cgccccgaca gggcacgccg tctcggcttc 120

aaggccaagc aggggtatgt ggtctaccgt atccgtgtga gacgtggtgg caggaagcgc 180

ccagtgccca agggtattgt ttatggcaag cctaagcacc agggtattac ccaactcaag 240

ttccagagga acaagaggtc tgttgctgag gaaagagctg ggcgcaggct tggtggtctt 300

cgtgtcctca actcctactg ggtgaatgag gactccacct 340

<210> 10682
<211> 190
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189108f02b1

<400> 10682

tgaggccgct gctcaatttg ccttttccca gttgaagaag atcctcccta atgcaggtga 60

gccgcttaac tacctagtgt cacactgggg cctagacgag aatacgcttg gcttctacac 120

ctttgacggg gtgggcaagc cgtgcgacct ttacgagaag ctccgcatac ctggcgacaa 180

cctatttttt 190

<210> 10683
<211> 313
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189108f04b1

<400> 10683

tacgggcgtg gaatcaccgt ggtcgagaga gctatggcaa agaggaacgg ttcccccgtg 60

atttctgatt ttgagattgg cgtcgaagaa ttccactctg agggcaggtc tgcgatcaaa 120

ggattcaatt tcagagacga gcgtgttatg gatggtaact gggttcacca agcccactcc 180

ggtgtcatcg agatgttctt ccggttgctg gccatatgcc acacatgcat accggaggtc 240

gacgaagtta cagggaagat ttcatacgaa gcagagtctc cagatgaggc tgcctttgtt 300

gtcgcggcac atg 313

<210> 10684
<211> 241
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189108f05b1

<400> 10684

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ggggcccggt gttcgtggcc gtgtaccagc ccgtgcagac gctcgtcgtc gccatcatgg 120

cctccctcac cctcggcgag aagttctacc tcggcgggat catcggtgcc gcgctcatca 180

tcaccggcct ctacctcgtg ctctggggca agagcgagga gaggtcgcgc atcggcaagg 240

a 241

<210> 10685
<211> 353

<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189108f07b1

<400> 10685

ctttgaatta ccctaccaag ctccagataa gctttccaca tatataaagt cgatagtgaa 60

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acgaggtaat ttcgctagat acctcctctc ggaaggttcg caaatgaata aaattattgg 180

ctgctcttgt tttcttttgt tcttgacatt gaagtcaaac ctcctagtta cctgtgttca 240

aaacttgatc gctatattgt tgatgctgtt cgctctcata aaatggaacc cattccgtac 300

tggctatgaa taggagttgt tatttaagct tgtgctcaat tgttagcctg cta 353

<210> 10686
<211> 320
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189108f08b1

<400> 10686

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actcgctgca caagacaatg gcaggtctgc tggacgtctg gcgccacatc ggctctgaac 180

aggccaagac ggtgctcctc aacatggcca actgggcaga cactcggacg gccaagttgt 240

cgtacgccaa gatgcagacc atgatggaca ccgagttcgg cggaatgaac gatgtcctca 300

ccgagatcta ctattacact 320

<210> 10687
<211> 296
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189108f09b1

<400> 10687

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cctctccgac tctcagaaat ccagcgcggc gattctgatc tacatacaga tccccttgag 120

ctccctcgct cgctcgctcc ggccggtcgt cgagatttgg agtgcctgag acgttcatgg 180

gtgtggagtg agatcgagag cggggaccgt gaattcctac gagggccgcc attcggcttg 240

cgcgtctgca tgaactgttt cgtcaatctg ggactcaact ccaactccaa ccacta 296

<210> 10688
<211> 276
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189108f11b1

<400> 10688

ccacgcgtcc gcggacgcgg tggggacttt gaagacttga aggggctctg ctgcgctata 60

gctgatggcc ttgttaccta agcctgcacc gtatgcaagc atcaacaatg tgtgcagcgg 120

ttcattatgt aaaatcaccc agaatgttac tgcaactata aacatatcgt gtatcatgct 180

ctcccattcc ccgtgtttag cgtgttatgc ctaaatacta tgaaacatat gtctcaagac 240

atccgggttg atgaataaag cttgctgttc tcctca 276

<210> 10689
<211> 421
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189108f12b1

<400> 10689

tgcagcctac tgcactggtg tgcttttggc tcgtcgtgtg cgcgagaacc gtgatctcga 60

tgaggagtat gaaggcaatg ttgaggccac gggtgaggac ttctctgttg agccttctga 120

tgagaggagg cctttccgtg cgctcttgga tgttggtctt attaggacca ccactggaaa 180

ccgtgtgttt ggtgcccttа agggagcttt ggatggcggc cttgacattc cacacagtga 240

caagagattt gctggtttca agaaggatga aaagtcgctg gatgctgaga ttcaccgcaa 300

gtacatcttt ggagggcatg tcgctgacta catgaggtca ctagcagatg aggaaccaga 360

gaagttccaa actcacttca gtgagtacat caagagggga atctcagctg atgacatgga 420

a 421

<210> 10690
<211> 134
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189108g04b1

<400> 10690

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cgtggacaag ctcatggaga acgagaagaa ctaggtcatt gttgctgaca actttttcac 120

tggggcaaaa gaca 134

<210> 10691
<211> 291
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189108g05b1

<400> 10691

aggagggtgt caccaaaggt gcccaccggt agctacccca tcgcccaggt gaattacgag 60

ctcaacgtgc tgggcaccag ggggccgagg cgtatgcagt gcacgatgca ctccatccca 120

gcctctgcag tcgacccgga tggcgtggtg cctgggcaac cccagcagct gctccccggt 180

ccgttcgacg agtccttccg cagcacgaac gcctcctcca ggttctccat ggcagacttc 240

agcagctctc gcttctcaag ctcccgattc tcagatgtaa gtggtgggtt g 291

<210> 10692
<211> 317
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189108g06b1

<400> 10692

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atccagctgt ttggcttgaa ggttctaata atgctggcca gaatggcagt agtgctgata 120

cttcaacagt atctgatgca tactcaaaga tgcttacgat atttatcccg ctgcttgtgg 180

atgagagttc cttctttgca cattttatgt gcttcgaagt acctgcactt gttccagctg 240

gtgctcctta cgttaacaag cgttgatctg gagcaaatga ccctgatgat gacgacctga 300

gccttatgga tccggat 317

<210> 10693
<211> 339
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189108g07b1

<400> 10693

ggcgccggcg attttgagca gaaaatctga agacgaaaga actgaagaaa taccaagagc 60

gtacaaaaga actgtgctgc tgcatatctt atcctcccaa ccatctagaa atcgaagcca 120

ccgccgtcgt cgaacccgcc gtcgtaccct ccggcggagt cggagatcat gtcgccgatg 180

aggagcccgc cgagcgcgcc tccgaggagc cccgcgccga ggcccatccc catgccgctc 240

ttcttcggcg gcttcacggc ctgctgctgg tacccgtacc cggccggctg ctgcggcggg 300

tagccgtagc cgccgtaccc tccttgcgga ggcgggggc 339

<210> 10694
<211> 244
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189108g09b1

<400> 10694

agacgggtta acaaagggga ggcacacgca caccccgcta ccccagtaat atccagcact 60

ccattttacc gactaacaat aacagcgcac cagcactata tccccatgtc caacgtgctg 120

gtacagatta catactgaat gacacagatt tattgccacc acaagggggt atgggattgc 180

tctagctctc ggcgctgact gcatcggctg tggcttcctt ctcttttacc ttctccgagc 240

tcac 244

<210> 10695
<211> 291
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189108g12b1

<400> 10695

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ggagaaggcg acgacgcgac gacgacgtcg gcatcgagta gaaagcagag cagagatttt 120

ccttggggtg ccacgggagg agccgatgcc gatgccggcg ccggcgcaag aagcggacga 180

cgacttcacc ttccccacgc cgccgccgct tctcgccgca gccgcgtgca gctacggcca 240

ccaccgccac agcaacaggg tgtcgccgtc gccgtcgccc tcctcctccc c 291

<210> 10696
<211> 283
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189108h05b1

<400> 10696

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acgcccatgt gtgattttct tcgatgagct tgattccctt gctcctgcac gaggatcctc 120

tgcagattct ggaggtgtga tggatagagt ggtttctcag ttgctggtgg agattgatgg 180

gttaagtgat aacagccagg acctcttcat aattggggct accaataggc ccgaccttct 240

tgattctgca cttctccgcc ctggccgatt tgataagctg ttg 283

<210> 10697
<211> 319
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189108h07b1

<400> 10697

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catcatgcct ctcttcgtct tggccgagac gcctgcgggc tacggtctct tcaaggccaa 120

ggacaagaag cttctgtctc gcgatgatat tacgaagtcg ctcgatggcg ccgatgccat 180

caattccgct ctttcattga agaagatgat caagttcgag gactccgccc aggctctcgg 240

tgaatacagc tctctgtgcg agggcaaggt taccccgatg ctgcagcaat tgctcgacga 300

catcaaggag gagcgcaag 319

<210> 10698
<211> 268
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189108h09b1

<400> 10698

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cctacaagcg ggaggccccg gcctgggtca agacgtccgc gccggacgtg gaggagatca 120

tcgtgcgcgc cgccaagaag ggccagctgc cgtcgcagat cggcgccctg ctccgcgacg 180

gctacggcat cccgctctcc aaggccgtta ccggcgccaa gatcgtgcgc ctgctcaaga 240

cgcgcgggct ggcgccggag atgcccga 268

<210> 10699
<211> 221
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189108h10b1

<400> 10699

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ccggccgtgg cgtacttctc cgcccgcggg ccgacccaga tgagcccggc gatcctgaag 120

ccggacatcg tcgcgccagg ggtggacatc ctcgcggcat gggtgcccaa caaggaaatc 180

atggagatcg gcaagcagaa gctctacgcc aagtacatgc t 221

<210> 10700
<211> 209
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189108h11b1

<400> 10700

ttcaccatca caaagcaaaa aaacaaagga tatttttcg tagaagtgtg aaggtgtact 60

caactcagca gcaggtgatg gtctgacacg tacgtgcttg tgcctgtagg tgggtaccgc 120

caagatcaac ggcagcacgc cggacgacca cttctgctgg aaccggccgg aggacatggc 180

gtacccgcgg ccggtccagc aggcgagcg 209

<210> 10701
<211> 293
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189108h12b1

<400> 10701

tccctccgtc tatcgactgg gtgggttctg cagagaagag cggagcatag cggatcaaca 60

aagcgcatga agcggaagcc atggggttca ggaagggcct gctggcgtgc ttcggcccgg 120

gcggcggcgg cgacgaggag gcggagcatg aggcgcgggc gacgccgggg gcgcggcggc 180

ggcgcacggt gatgaacctg cggtcgctgt cgctggagga cctgtcgcgg acgctggcca 240

cgacgaccct gcacgccttc accctcgacg agctcaagtc cgtcaccaag aac 293

<210> 10702
<211> 241
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189114a01b1

<400> 10702

ttccagatgc aggacactcg gccaatgaag ttggcgttgc ggatgaactg gtattagcta 60

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ctgtggcaaa gaatttcagc tcaattttac tggggtcacg ttgcaaaata agaactggta 180

ctaccatttt agcatttagc acagcctgat tgtacgtgtc aaacagttcc ctattcaatc 240

a 241

<210> 10703
<211> 187
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189114a03b1

<400> 10703

aacagatacg taaaagtgta gcagaagcag atgatctact agtgttagct gtgccgccgg 60

taattatgct atgatccgct taatcgtact cattctttgc gagtgattac tactacatat 120

ataagtataa aggaggaagt actagtatat gaagtgaact gttgatagga actgtagttt 180

ctagaag 187

<210> 10704
<211> 253
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189114b02b1

<400> 10704

aagggtattt ggggtggctt gattgggga acggccttgc agacagtcat tatgctatgg 60

gtcaccataa gaacagactg ggccaaagag gtagaggagg cacagaaaag gttgaacaat 120

tgggacgaga agaaagagcc tctccttgca gggttcaagg acaataacaa ataagtggac 180

cagtctagtt ttgtgtttcc agttatccga gtcagaagtg tactggctat gagactcgcc 240

gtgggcgtgg gtg 253

<210> 10705
<211> 178
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189114b06b1

<400> 10705

tggagaaact gatgaggatg ctgcggttgg taaccatgag gcctgacagt tgcttgcgac 60

aaatgcatat tcagctacca aagctggggc tgaaatgctt gtgatggctt atgggaggcc 120

ttatggtctt cctgtgatta caacccgagg caacaatgtg tatggaccaa atcagttc 178

<210> 10706
<211> 146
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189114c01b1

<400> 10706

gcagcgagcg agcgagcgac gcagtgcggt gccactctcg ccggcccccg tggctggctg 60

cgtctgctta gctgcagctt tgcagtggtg tgtgtcacag tgtcagttcc acctatgatc 120

gatcggtatc ctatccggtt tgtgtt 146

<210> 10707
<211> 294
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189114c04b1

<400> 10707

aagcgcgccc ccggcccgcg caaggacgag gtggtgaccc gcgagtacac cgtcaacctc 60

cacaagcgcc tccatggatg caccttcaag aagaaggcac caaatgccat caaggagatc 120

aggaagtttg cacagaaggc catgggaacc aacgatgtcc gcattgacgt gaagctcaac 180

aagcacatct ggagcagcgg catcaggagt gtccctagga gagtccgtgt caggattgcc 240

cgcaagagga acgaccagga ggatgctaag gaggagctgt actctctggt caca 294

<210> 10708
<211> 150
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189114d05b1

<400> 10708

ggggccggct tcatgctctc ccccaacctg gacctcgaga agctccaggc gatggcgttg 60

gagctccagg ccgtggcgtc ggagtacctg cggtccttct gaacataccg tttatactga 120

gaggggagag gggagagggg agagaaataa 150

<210> 10709
<211> 371
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189114d08b1

<400> 10709

gcagaagctg gccaagaagc agcgccagaa ccgccccatc ccctactgga tccgcatgag 60

gaccgacaac accatcaggt acaacgccaa gcgcaggcac tggcgccgca ccaagctcgg 120

attctaagcc ggggatgacg atgatgacgc ccgttgccgc cgacgggaga agggtctagg 180

gtacctaggg tttatggcgt ctcgttgttt ttgcaagcta gcatgtgact ccgggatgcc 240

tgttttaaga ttaagatttc gcttgtgttg agagatatta ttatttactg cttgtagcct 300

acctgggata ccatcatatt ttgctgatta tggaacagct tttatcctgc ttaagctctg 360

tattttgccc g 371

<210> 10710
<211> 319
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189114d09b1

<400> 10710

caaccagcag gctcctccac cgccaccagg gtacccgacg gcggcggcgg agcaaggcca 60

ggccggcggg aagaagggcc gccgggcgag caccaaatcc aggggcgaga agggcttcat 120

agagggatgc ctcgccgcac tgtgctgctg ctggatctgc gagatgtgct gcgactaacc 180

ggccggcgac ggcgaggccg ctgctgccac aagacctcgg tgctatagca cccacgagga 240

ggaggagcgt acgcgtatac ggagagagaa attgttccta atttcagtgc ccgttgtttt 300

aggttctata catatatac 319

<210> 10711
<211> 361
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189114d10b1

<400> 10711

aagatgctgt cgaggatctc ccgccttggc gtccacgccc tgaaccgggc gaggctaggt 60

caaaagtcag taacttcaag gaatcaggaa gaacccatca gagcctgtat gaactatgtg 120

ggtaatcatt ctctatgttc cgccacggaa gctaaagtca gtgacaggag cgaacagccg 180

aaagctaaga tatctgtgac atttgttgat aaggatggcg atgaaacggt tatcaatgtt 240

cctattggga tgtcaatgct ggaagctgct catgagaatg acatagaact tgaaggagca 300

tgtgagggct ctctagcatg ttctacctgt catgtgattg taacggacgt agactactat 360

a 361

<210> 10712
<211> 218
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189114e05b1

<400> 10712

ccatgttgac cgacaagatt atcagctgat tgacataact gatgatggat atgtcagcct 60

tctaactgag agtggcaaca cgaaggatga cctgaagctt cccactgatg atgttctgct 120

tggccagatc aagactggat ttgctgatgg caaggacctg atcctgtctg tgatgtccgc 180

catgggtgaa gaacagatct gcgctgtgaa ggaaatcg 218

<210> 10713
<211> 253
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189114f05b1

<400> 10713

caccagaaca cctacgcatg gaagcccaac ctcggacgga agatcaacga gaccgagccc 60

ggggacagga tgcggcctct gtcggagatc accggcgtct gccagcgctg acgggaccaa 120

atcgactgga agcgcaaata cggcaggtac aagccgattg atgagcctgc aaaatgccag 180

aagtgcagaa aacgaaacgt acggcaggca taccacaacg tctgcacagg ttgctccaag 240

gagcttggga ttt 253

<210> 10714
<211> 237
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189114g01b1

<400> 10714

gaagcgcgcc cccggcccgc gcaaggacga ggtggtgacc cgcgagtaca ctgtgaacct 60

tcacaagcgc ctccatggat gcaccttcaa gaagaaggca ccaaatgcca tcaaggagat 120

caggaagttt gcacagaagg ccatgggaac caacgatgtc cgcattgacg tgaagctcaa 180

caagcacatc tggagcagcg gcatcaggag tgtcccgagg agagtccgtg tcaggat 237

<210> 10715
<211> 127
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189114g03b1

<400> 10715

cgctggtggc ggaggagcac gagaagaggc tcaagcgagg ggcgccccgc gtctccgccg 60

acgaggaggc gttcatgggc aaggtgaact tcctggcggt gaccaaggtg tggggctcct 120

gggccga 127

<210> 10716
<211> 384
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189114g06b1

<400> 10716

gataagtttg cgaagatatg ggacatgcag acaaaaacat gtgtccaaac atttggagaa 60

ttcaagtctt cggttatttc tgttgtttcc catcccagtc ttccagtttt aattataggc 120

acaagagatg gtgctattca tttgtggggc acaaatttca ggtacaagcg acaacttagc 180

attggcggtc ctggaggtgc taatggtctc acatgtctga cggcgttagg aagggttgtg 240

atgggaaatg agtcggcgct attcatgatg gagatccttg atgaagaacc agatgctcct 300

gtcggaagtg aagaagcagt tggtagctcg ggcagcaatt gaaattccca gtgtgggaga 360

cggtcgatta tgaaatctga attg 384

<210> 10717
<211> 198
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189114g09b1

<400> 10717

ctatatagtc ttgacagata atgtgggtgt tttggaaaga taaagctctc tgtcaaagag 60

ctagctatca gattgttttc gtgggtgtta aattgtccgt ggcgctgttt gtttgcccat 120

catggtttta ctatgtccgc tttgtactct gtactcgcca ctccgacaga cttgatacat 180

tgtagtattg acttgtct 198

<210> 10718
<211> 310
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189114g10b1

<400> 10718

aactccatca agaagaccca ccgcgtgctg atcgtggagg agtgcatgcg gacaggcggc 60

atcggcgcta gcctgaggtc ggccatcatc gacaacttct gggacgagct ggatgctcgc 120

cccgtgtgcc tgtcgtcgca ggacgtgccg accccgtacg ccgagaccct ggaggacgcg 180

accgttgtgc agcccgcgca gatcgtggcc gcggtggagg agatctgcca atagtaacgc 240

tgtcatgagt tacatgtttc gaggattcag aagcagcgtg cgtgtccagt ttgctttgtc 300

gtgtaattag 310

<210> 10719
<211> 296
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189114h08b1

<400> 10719

tggcggcggt gcggatctgt ttgtgcactt ccgcaacatc caagcctccg gcttcaaatc 60

cctcaaggag ggccagcagg tcacgttcgt cgccgtccaa ggccagaaag gcatgcaagc 120

caatgaagtc atcactgagg agtaattaag taatcttccg gcgcccgctt ctatctcgtt 180

tattctggat ctcacactct gtaacacgta ctacgtccgg tctgcttgtt ggccaataat 240

tgtgtggggc tgaacaacca tgtatgcact tttgtcatgt tgactttcaa ctttgg 296

<210> 10720
<211> 173
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189114h09b1

<400> 10720

gaagatcaaa gtggagtata ccaaatggag tgcaacccaa tgattgatct ttttcttttc 60

tatatgtggc tgtctttttc ttcttcagtg ccgagaacaa catcagctgt tacacagtac 120

ttacctaatt atgttgttat atgcctctta tgaaagactt ctatccataa acc 173

<210> 10721
<211> 242
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189115a01b1

<400> 10721

cagataaggc agctgggacc aggaatgatt cagcaaatgc agcagccttg caacgagtgc 60

aggggaagtg gggagaccat cagcgataag gatcgctgtg ggcagtgcaa aggtgagaag 120

gtggtgcacg agaagaaagt cctggaggtg gtggttgaga agggaatgca gcatggacag 180

aagatcacct tccccggcga ggcggatgaa gcgcctgata ccgttactgg agacataatc 240

tt 242

<210> 10722
<211> 312
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189115a02b1

<400> 10722

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ttgggaggag ttcgtcgcag atccgatcta gagagcctcc ccgcaccacc catgtttacc 180

ttccccttcc tctgacggcc gccgtccccc gatgaagctg cgcgtccgct gccgctccca 240

ctccttctac gtcgccttcc tctactggtt ctacgacttc tcatgaacta ctcgcccctc 300

gacaacgccg ca 312

<210> 10723
<211> 223
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189115a03b1

<400> 10723

gaggagaaag gtggaatcaa gaccgatgct tttttcgaaa caagtgtcca tggagtgtat 60

gccgttggcg acgtggcgac cttcccgatg aagatctaca acgactagag gagagtggag 120

catgtcgacc attccaggaa gtccgcggag caggccgtga atgcgatcaa ggggaaagag 180

gcgggctctg ccgtggagga gtacgactac ctgccctact tct 223

<210> 10724
<211> 234
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189115a05b1

<400> 10724

atacaacaga gtcctgtcca cccactccct ccttgagcac actgatgtgt ctatccttct 60

tgacaatgag gccatctatg acatctgccg ccgctccctt gacattgagc gcccaacata 120

caccaacctc aacaggcttg tttctcaggt catttcatcg ctgacagctt ccctgaggtt 180

tgatggtgct ctgaatgttg atgtcaatga attccagacc aacttggtgc ccta 234

<210> 10725
<211> 180
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189115a06b1

<400> 10725

ggcaagaagg tcatcctctt cggcgtccct ggcgccttca cccccacctg cagtaatcag 60

catgtaccag gcttcattac tcaggccgag gagctcatag ccaatggtgt agacgagatc 120

ctgcttgtca gcgttaatga ccccctttgtc atgaaagcat gggcgaagac atacccagat 180

<210> 10726
<211> 192

<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189115a07b1

<400> 10726

gaagcgcgcg gcggcggcag gcctacgact acgaggccga cccgcgctgg gccgactact 60

ggtccaacgt tctcgtgccg acgcacctcg ccgtccgccc cgacgtcatc gcccacttcc 120

gtcgcacgtt ctaccagcgc tccatcgatc gtgatttggt ggacgagcct atgtcaacca 180

ctggttccac tc 192

<210> 10727
<211> 236
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189115a08b1

<400> 10727

aaaagcgggc ctcacgagat tcggagcgtg aagcgcatct tcctgctgga gacgctggag 60

aatgagctgc cggagggcac catcaggtac tcctccaaga tcgtcgacat cgaggaagag 120

ggcaacgtca agctcctgca catggccgac ggttgcacca tcagagccaa cgttcttgtg 180

gggtgcgacg gagtgaactc ggtggtggcg aggtggctgg gcctgcccaa gccgat 236

<210> 10728
<211> 64
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189115a09b1

<400> 10728

cagggatcgc ggcgccggcg gacggcggag cggagacgcg tgcctggtgg gcggagggga 60

ggat 64

<210> 10729
<211> 300
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189115a10b1

<400> 10729

agccaggcta acttcatcag tatcaaggga cctgagctgc tgaccatgtg gtttggtgag 60

agtgaggcta atgtgcgtga gatctttgac aaggctagag ggtcagcacc atgtgtcctc 120

ttctttgatg agcttgactc tattgccacc cagagaggaa gcagcgtctg cgatgctgga 180

ggtgcagctg atagagtgct gaaccaactg ctgactgaga tggatggcat gaacgccaag 240

aaaactgact tcatcattgg tgctaccaac aggccagaca tcatcgaccc tgccctgctt 300

<210> 10730
<211> 202
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189115a11b1

<400> 10730

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ttaggtcttc ccggtggcag cggtggggtg gtgccggcgt cgcgtctgtg gaataaaggt 120

tcagctgctc gtcttacacc tcggcaccgt attctggggt gatgtcgtcg agcggccgct 180

ctagggtgct cgtcgatcta tg 202

<210> 10731
<211> 160
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189115a12b1

<400> 10731

acatactgct gtaggcactg ttcacagtgg cgacattggc tgtcactgca cccatattcc 60

tttcataccg actgcatggg atcttccaag tactaacggt gtgtgctgca acatggaacg 120

gtggaagctt catcctggag gtgatgccca gacaaggtgt 160

<210> 10732
<211> 195
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189115b01b1

<400> 10732

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agcgccgacg gcacgacgcc gagggcgcca tcaagcgtgc cgaggacttc gagagggagt 180

tccgcaacaa ggagc 195

<210> 10733
<211> 216
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189115b02b1

<400> 10733

accaagcttt agtgctaatt tggtaataat cctgggttct gaccacgtca gtagcgtcca 60

ctagtcgacg acggcggctc aaggaaatcg aggaaggagg cgagtccgtg ccacggagtc 120

actgtcgggg agcactaagg gagctccctg tcttggctag caacaagtat gttcagcacg 180

ccgcctccag ccacaagcat cgccgggagg aggaca 216

<210> 10734
<211> 272
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsrow189115b03b1

<400> 10734

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tacgacatcg aggaacagcc gacggacggc gacggcgaag agaagccctc tggcggcggg 120

tccgagtacg tgtcgcagct gttcgccgcg ctgtggggct tggcgtcgaa gctcgggaaa 180

ggcccgctgc actacgtgat gaggccgatc gctttcgctg tcaaggcgcc gaggaagatg 240

ctcaccgtcg tgccgggcat gtctggcatg aa 272

<210> 10735
<211> 120
<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189115b04b1

<400> 10735

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acttacagag catacgacgc catggatgag ataacggctg cactttcaat atcgtttaat 120

<210> 10736
<211> 309
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189115b05b1

<400> 10736

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tgcaacgcct ggtggcgccg tccgagtcca cgccggtcgg tccgctccgc ctgtcctggc 120

ttgatcggta ccccacccag atggcgctca tcgagtcgct ccacgtcttc aagccggctc 180

ttgaccggca ttttgacggc ggcgacgacg ctggcccggc gaggaccatc gagcgggcta 240

tggcgcaggc cctggtgcag tactacccgc tcgcgggacg cctggggttc acggaggaag 300

gtgggctgc 309

<210> 10737
<211> 368
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189115b06b1

<400> 10737

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ccccgacttc gccccgccct caccgacaga cgccgtttca atcatggcac gccgaggatt 180

gatggagcag gacctaacca agcttgatgt caccaagctc cacccgttgt cacccgaagt 240

catctcgcgc caagcgacca tcaacattgg tacaattggt cacgtggccc atggaaagtc 300

tactgttgtg aaagctatat ctggagttca gactgttcgc ttcagaatga gcttgaacgt 360

aacatcac 368

<210> 10738
<211> 367
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189115b07b1

<400> 10738

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ggaggaaagt tggtttttct ggtttagttg atcttctgct agggaatact gggccgtttt 120

cctcaggaga ctggattctc cctgacctca caattcaagg atctctaaaa attaactcta 180

ccctcaagac ctttcccaat acattctact tcagttacgc tacaaagaga actcgaaagc 240

tatttggaat tacagtacca tcaagcgtcc ttggagttca tccaatgctc tttctcagag 300

ttctccagat gtgtatgtgg cggcaccctt aaaacgcacc tctaccttac aaaggataca 360

gggatga 367

<210> 10739
<211> 251
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189115b08b1

<400> 10739

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ccatcggctt cctcttcttc tccggcaagc tgctctcacc ggagattcat cgatggacgg 120

tgatttggtg gaggctgcta cttgttagat tggtgcagac aaagagcttt tgcttcaaat 180

ttatgtagtt tgtctgaaca tatgatgcca tccctatgaa gaacttatgt atagttagtt 240

atgatgctag c 251

<210> 10740
<211> 256
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189115b09b1

<400> 10740

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gcatgctccc aataccaagg gaatttaggt tcagagttcc aggaatggtt gagctgaccc 120

tagtagtgct tgctgctaga tttggcgtcg aggtggtaat aaagccttca gagagcatat 180

ccacaagatc acaatgttgc tgatcttaag atggaataag ctcagatggc gcattgtatc 240

aagttcgcca gggcac 256

<210> 10741
<211> 233
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189115b10b1

<400> 10741

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tcgggaggct cgtcgccagg gtcgccctcc agagcgacga tgtcgagctc gtcgccgtca 120

acgacccctt tatcaccacc gagtacatga cctacatgtt caagtacgac accgttcacg 180

gccactggaa gcacagtgac atcaagctca aggacgacaa gacgctgctc ttt 233

<210> 10742
<211> 268
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189115b11b1

<400> 10742

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tggttggcat ccccacggag atcctccgcc tcgcgctggc gatcaggcag gcggctgaca 120

cggtgaggca gaacagggag gactgcctcg agatccagcg gtgcgtgaac aggctccacg 180

gcatcatgtc ctcggctatt cgcggcacag gcacggacat gatagcgaac ttggcagtga 240

gcgccgcgct gggggacctg gaacggat 268

<210> 10743
<211> 301
<212> DNA

<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsrow189115c01b1

<400> 10743

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gcccacgcgg tcgtcgatga gggcggcggc gaggtcttcg gccacgattc tttctcggga 120

acgggcctag ggttccaggc ggcgacctgg tggtgtgggc ggcgccgtcc cggcggcgtt 180

ggctggagct atggccgcct cccctcggct gcatgggtgg cgagtcggtg gtggacctgt 240

gtgtcgggcg gcaggacccc tgtgacctgc ttcgccagat ctaaagatgg cgcccgttcg 300

c 301

<210> 10744
<211> 277
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsrow189115c02b1

<400> 10744

cgacctcgnc aacctcgacc tcagcgactg caccgacaag atcatcgtcg agtacctctg 60

gattggagga tccggtatcg acatcaggag caaagcaagg acggtgaacg gccccatcac 120

ggacgcgagc cagctgccca agtggaacta cgacggctcc agcaccggcc aggctcccgg 180

agaggacagc gaagtcatcc tctaccccca ggccattttc aaggacccgt tcaggagggg 240

cgacaacctc cttgttatgt gtgactgcta cacacca 277

<210> 10745
<211> 173
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189115c03b1

<400> 10745

gccggaggcg gaggcgatgg tggacgtgtg gctggaggtg gaggcccacc atgtacaacc 60

ccgcggtcag cgccatcgtg gtgcagtgca tcatcttgcc gctcctgggc ggtgcgcggg 120

accagtcggt ggtggacgag aacgtggaca agcttaagaa ggtgctggag gtg 173

<210> 10746
<211> 362
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189115c04b1

<400> 10746

tagtgcacct cccaaattac atatgagtga ggaactgagg attgtgtgag ccatggcttc 60

atgttaaaca gtatgatggt caagtgccaa accctcactc caaaggggc tatacacatc 120

ttttaacaca aactagataa acatattgga ataactaatg gtttcaattt gaaaaaaaac 180

gagtaatcga cagtccgaat ttgaacagac tgacatcagc atggagtgca caatttttga 240

ggaacgagaa attacttaca cgaacaatct cctcgtaagt ctcatcatca atttcaatgg 300

aagtcactat ctcttctaca tctccaagta tcatattgag atgttgatca tacgcatgga 360

gc 362

<210> 10747
<211> 259
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189115c05b1

<400> 10747

acatcctcca tgggaagttt ctttccaggt cgacgggtta tcattgtatc agataccata 60

ccaactccta ctggcacttg ttgattttga agagaaattt gaacagatac ttttgatgaa 120

ctcccaagtg ttataatatc accatcagca agttcgggag gcgcactcca acgactagaa 180

ccaacatcac gatgggtaac tgcctgggaa ttcaagaagg ttccattcaa actgcccata 240

tacacaagtt cccatctga 259

<210> 10748
<211> 346
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189115c06b1

<400> 10748

cccgagtgcg ctcgccgcat tccgatcccg ccggccaatt ggttcggcgc cggcgcgggg 60

gcgatggtgt cgggcgggtg cgtggggacg gaaggggcg cggagccgga ggagtccgcg 120

gcggtagcgg ccgaggaggt ggtggcggcg acggcgcccg cgcgcgccag ggagctggtg 180

gtcgggtacg cgctcacgtc caagaaggcc aagagcttcc tccagcccaa gctccggggg 240

ctcgccagga agaaaggcat tcaatttgtt gcaattgatc aaaagcttcc actgtcagat 300

caaggccctt ttgatgttat tctgcataag ttgactggaa aggagt 346

<210> 10749
<211> 245
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189115c08b1

<400> 10749

ggagaggaag cagaagctca acaggtacag gaagaagaag atccagagga actttggcag 60

aaagatcaag tatgcttgca ggaaggctct ggcagacagc cagccgaggg tgcgagggag 120

gttcgccaag atggacgacg gcgacatgct caagccgagg aagtagacgg ggccatggag 180

gccgccgcca agccgatgag gatggaagac aaaggttgtt gcaaggaggg aattaagctg 240

ctgct 245

<210> 10750
<211> 299
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsrow189115c09b1

<400> 10750

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acttaaagtc caagtgacta taaaagaaac aacaaaaaca tagtaaaatg tataaaatta 120

cgcagctttc cccccaccac tggtgggggg ttttggagct gacccccttag gaaaacaatt 180

cttcgattgt ttgctagata cgttatgaga cggacctgtt taaggggccg ttccatttct 240

gaagctaaca aactntaagt cgttgatttg cctgcgattt gaagacgtcg tagctgcat 299

<210> 10751
<211> 355
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189115c12b1

<400> 10751

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cgcaagcgcc cggcggcggg acaagaaccg cgcgtccatg gcggcaagag gccccgatac 120

gcgttcggga gcatcaccga ctacgagaag cttgaggtgc tcggagaagg cacctatggc 180

gaggtgttca aggcgcgcga ccgccgcacc ggcaagaagg tcgccgtgaa gtgggtccgt 240

ggcaacgggg ccggcggaca cgggccgccc gacatccgcg cgatcacccg cgaggccggc 300

tgcctcggcg cgtgtcggtg tcacgagtct attatcgaga tcttggatgt ggcga 355

<210> 10752
<211> 295
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189115d01b1

<400> 10752

tcccccggca gcccaaacat ggactctagc aggcgcccga gtggaatcca gcaattgctt 60

gctgcagagc aagaggctca gcaaattgta aatgctgcta gggctgctaa aacggcaagg 120

cttaggcaag ccaaagaaga ggctgagaga gaaatagctg agtaccgtgc acaaatggag 180

gctgatttcc agaggaagct cactgagacc agcggtgact ctggcgcaaa cgtcaaacgc 240

cttgagcaag agacaaacgt aaagattgag cagctcaagc agcaggcagc aaaca 295

<210> 10753
<211> 145
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189115d02b1

<400> 10753

gcctactgcg gcaagtacaa ggatgagctc atcaagaacg ctgcctacat tggcacccct 60

ggcaagggta tcacttgctg ctgatgagtc cggcaccatc tgcaagcgct tcgccagcat 120

caatgttgag aacgttgagg acaac 145

<210> 10754
<211> 208
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189115d03b1

<400> 10754

ggagggcagg gaggcgggat ggacgccgcg ctcctcgacg acatcatccg ccgtctgctc 60

gaggtgcgga cggcgcgccc cggcaagcag gtgcaggtct ccgagtcgga gatccgccag 120

ctatgcaccg ccttctgcga catcttcctt acccaggcca acctgctcga gctcgaggcg 180

cccatcaaga tctgcggtga tatccatg 208

<210> 10755
<211> 234
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsrow189115d04b1

<400> 10755

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tcccctctgg tgctgaggta gaagaagaag gaggaggtag cagcatcgcc atgagcccgc 120

cgagtgtgat ggggcagttc ggggacacga cctacaccaa ggtgttcgtg ggcgggctgg 180

cgtgggagac ccagaaggag accatgagga agtacttcga gcagttcggg gaga 234

<210> 10756
<211> 367
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189115d05b1

<400> 10756

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gcccgtggcc ggtggtgggc aacctgcggc agatcaagcc ggtgcggtgc cgctgcttcc 120

aggagtgggc ggcgcggtac gggcccatca tctccgtctg gttcggctcc tcgctcaccg 180

tcgtcgtctc cacctccgag ctggccaagg aggtgctcaa ggagcacgac cagcagctcg 240

ccgaccggcc ccgcaaccgc tccacccagc gcttcagccg caacggccag gacctcatct 300

gggccgacta cggcccgcac tacatcaagg tgcgcaagct ctgcaacctc gagctcttca 360

cccagaa 367

<210> 10757
<211> 51
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189115d06b1

<400> 10757

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<210> 10758
<211> 351
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189115d07b1

<400> 10758

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atccactgtc aactccattg tcggggagag ggtcgcgaac gtcagtgcgt tccagtctga 120

gggtctgagg ccaatgatgt gctcccgcac cagggcagga ttcaccttga acattatcga 180

cactcctggg ctcattgaag gtgggtatat caatgagcag gctgtcgaaa tcataaagag 240

gtttcttctg gagaagacta ttgatgtcct cctgtacgtc gatcgcttgg atacatatag 300

aatggataca ttggatgaac aagttataag agccattact aattcattag g 351

<210> 10759
<211> 291
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189115d08b1

<400> 10759

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cgccgtcggc agcatcggcc gccgctccgc gcggatcgcc tactgcggcc tcttcgcgct 180

ctccctactc gcctactggg tgctccgcga ggtcgccgcg ccgctcctcc agtccatccc 240

atggatcaac cacttccaca agacgccgga ccgcgagtgg ttcgagacgg a 291

<210> 10760
<211> 294
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189115d09b1

<400> 10760

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ggtcattggt ttgtgagagc cttcaagatt tgagcaccac aggcaacagt cttctacatc 180

ctagtgtcgg tacttggtag ggtaatcttc cctggtcccc agaagctgac ctgtatatga 240

gaagattgaa cagagcatgt gaaccatcct gaaatctgat gcacatgtga acca 294

<210> 10761
<211> 273
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189115d10b1

<400> 10761

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gctcccacct gctgctctcg tggatgcaga ggctgaagtg atggtattgg gatttgccga 120

gggagtgaat gtcattttcg ttaacacggt ggctggcctc ttcacaatcg agctacagtc 180

ggagcgggtg aagaaggtgt gtgataatca tggctttctg taatttgatt ccagttgtca 240

gcttctgcac tcctgtggac cgtctcaaat acc 273

<210> 10762

<211> 322
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189115d11b1

<400> 10762

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ccgcgcccgc cccttccagt gcgcggccgt ctccgcgccg tcgtcgtcgg ccgcctcgcc 120

gtcggcctcg gccgtcccgg cggagcggct ggagcctcgc gtggagcagc gggagggcgg 180

ctactgggtg ctcaaggaga agtaccgcac cagcctgaac ccgcaggaga aggtgaagct 240

gggcaaggag cccatggcgc tcttcacgga gggcggcatc aaggagctcg ccaagctgcc 300

catggagcag atcgacgccg ac 322

<210> 10763
<211> 254
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189115d12b1

<400> 10763

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agtcccgatc ctcatccaca acggcaagcc cgtctgcgag tcccaggtca tcctccagta 180

catcgacgag gccttcgccg gcgtcggacc gcccctcctc cccgctgacc cctacgagcg 240

cgccgtcgcg cgat 254

<210> 10764
<211> 285
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189115e02b1

<400> 10764

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gactacaacc ggttcctccg ccgcgccttc ggcctgccgc gggacgcccc cgcggtgctc 180

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ctgctcaacc tgcgcgccgt ccaggccctc tgcgaggagc tgggg 285

<210> 10765
<211> 320
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189115e03b1

<400> 10765

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cgacaagctc tgtgaccaag tctccgacgc cgtcttggat gcctgcttgg cccaggatgc 120

cgacagcaag gtcgcctgcg agaccgtcac caagaccaac atggtcatgg tcttgggcga 180

gatcaccacc aaggccaccg tcgactatga gaagatcgtg cgtgacacct gccgcaacat 240

cggtttcatc tctgatgacg ttggtctcga cgccgaccgt tgcaaggtgc tcgtcaacat 300

cgagcagcag tcccctgaca 320

<210> 10766
<211> 285
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189115e04b1

<400> 10766

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gccgctgcac tggttgcact ccctctgcat ggtccacgcg ccgagttttc gacctcgacc 180

acgcccaacc gtccggtggc agccatggac cgcgacctcc ccgatcatgc cccaccatct 240

cacattccct cctcgcctct agagctccgc cgatgcttcc gtctc 285

<210> 10767
<211> 226
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189115e05b1

<400> 10767

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gttgctgaga tcaccaacag cgcctttgag ccttcgtcca tgatggccaa gtgcgacccc 120

cgtcacggca agtacatggc ctgttgtatc atgtaccgtg gtgatgttgt gccaaaggac 180

gtgaacgctg ctgtggccac catcaagacc aagcgcacta ttcagt 226

<210> 10768
<211> 290
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189115e06b1

<400> 10768

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cggcggcggc ttccgcgccg ccaagtgcaa gacgctgctc aagctgtcca tcccgcggat 120

aaagctgctg cggaaccgcc gggagctgca gctgcgccag atgcgccggg acatcgccaa 180

gctcctcgag gccggccagg aagccaccgc cagaatcagg gtggagcaca tcatccggga 240

ggagaacatg atggcggcgc aggagatcct ggagctcttc tgcgagctcg 290

<210> 10769
<211> 258
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189115e09b1

<400> 10769

ctgctcctat ttcgtccatg atgaccgtga agcgatggtc acgtggccct gcaaccacac 60

aaatcgggaa gccagctgtg catatggcta gcgttgactt gagaggaaaa gcatatgaga 120

tgttgaggca gaattcatcc agctgcttgt tggaagacat ctacagaaac cctggaccac 180

tccaattcga agggccaggt gctgatgcca agcctatttc actgtgcgtc gaggatcaag 240

actacatggg caggatca 258

<210> 10770

<211> 250
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189115e10b1

<400> 10770

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ctatgggaaa ctcaccgatg atggcgcgct cgacccggct ggccttgtgg cgatcgcgat 180

cgcccacgcc ttcgccctct tcgtcggtgt cgcgatcgct gccaacatct ccggcggcca 240

cctcaacccc 250

<210> 10771
<211> 175
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189115e11b1

<400> 10771

tcagcggcaa ggcgatgcag gtctgggtgg actacgagag cgactccacg cagatcagcg 60

tgttcctggc gcctctgaag aatggagcca agccttcgac gcccctggtg tcagccaaga 120

gcaacctgtc gaaggtgctc gtggagccgg cgtacgccgg cttctcgtcg acgac 175

<210> 10772
<211> 219
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189115e12b1

<400> 10772

ggctgcatcg accgcatcaa gcggcgcgtc aacaagatca aaggagtgaa ggaagtgacg 60

gtggacgctg ccaaggacct ggtgaaggtg actggcacca tggacgcagc cgccctgccg 120

ggctacctca gggacaagct cagtcggacg gtggaggtgg tcacccccgg caagaaggac 180

ggcgacaaga aagacgacgg ggagaagaag aaggacaag 219

<210> 10773

<211> 256
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189115f01b1

<400> 10773

ccgacgacgc gcgcaagtgc agccgcgccc gcttcatgga ctgcaccgag aagctcggca 60

ccttcaccga cgacaacgtc gagttccagc gccgcatcgt ggagcgctcc gggctgggcg 120

aggagacgta cctccccgag gccgtgctca acctcccgcc taacccctcc atggccaacg 180

cgcgcaaaga ggccgagctg gtcatgttcg gcgcgctgga ccagctgttc gccaagacgg 240

gcgtcaagcc caagga 256

<210> 10774
<211> 299
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189115f02b1

<400> 10774

atcagatcaa tccggtttac gtcggatggg cagttcctgt cgatggcgga accagcggac 60

tttgtccata tctttgacgt gaagagcgac tacaacagaa ggcaagagct ggacttcttc 120

ggcgagatat ctgggatgtc tttcagcccc gacacagacg ccctcttcgt cggcgtgtgg 180

gatagaacat atggtagcct cctccagttt gggcgtctgt ataacaattg gtaccatgac 240

acgctgcttt gaggctaaag cggagcggat gtcgggcctg catgtctgtc cccccacag 299

<210> 10775
<211> 287
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189115f03b1

<400> 10775

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atcgagtacg acgagcagga ggactacgtc gtcatcaagc acgccgcgct cttcacctcc 120

acggtcatga gccgcctcct cgcgcgcccc aacgtgaagc tcttcaacgc cgtcgccgtg 180

gaggacctca tcgtcaagga gaaccgcgtt gccggcgtcg tcaccaactg ggcgctcgtc 240

tccatgaacc acgacacaca gtcctgcatg gaccccaacg tcatgga 287

<210> 10776
<211> 251
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189115f04b1

<400> 10776

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gggagcgacg agttgccgga gaggatttcc acttcagaag atacagaatt agagattgag 120

caagccaagg agatgggaga ggaagcccag gagagggatg aggtggcaaa attggagatt 180

gaggaagctg aggggatgga ggagaagatg cagactggga tgttctttaa tatctactgt 240

cgcgccttgg a 251

<210> 10777
<211> 291
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189115f05b1

<400> 10777

agccgcgtct tcttcgccaa cgatggcgac gtggagctgc aggcgtggtg gaaggaggcg 60

cgcgaggttg ggcacggcga cctcaaggac gcgccatggt ggccgaggat gcaagccgtg 120

ggcgagctgg ccaaggcgtg caccaccatc atctggatcg gatcggcgct gcacgcggcg 180

gtcaacttcg ggcagtaccc atacgcgggg ttcctcccga accggccgac ggtgagccgg 240

cgccgcatgc cggagcccgg gacggacgag tacgcggagt tagagcgcga c 291

<210> 10778
<211> 261
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189115f06b1

<400> 10778

ttttttctttc cgccgcggca actgtgagcc ggcccgatcg agcgagccgc cccccacgca 60

cctcaagaaa ccgccataat tccatccatc catccgctgc cgcgtcctac gcggccattt 120

ggggcgctcg tggggtgttc gtcacatcaa ccaggccaag atcagatcgg cggcgacgac 180

ggcgaccatg ttcagcggga cgcagcagaa gtgcaaggtg tgcaccaaga cggtgtaccc 240

catggaccag ctctccaccg a 261

<210> 10779
<211> 300
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189115f07b1

<400> 10779

cgcacacaca ctctctgcat gttccatgtg ttttgtcacg acagctgggc atgatcatca 60

acgagacgct ccggctgtac ccgccggcgg tggcgacgat ccggcgcgcc aaggcggacg 120

tgcggctgtc ggacgggtgc atgatcccgc gcgacatgga gctgctcatc ccgatcatgg 180

ccatccacca cgacgcgcgg cactggggcc aggacgcggc gcagttcaac ccggcgcggt 240

tcgccggcgg ggcggcgagg gcggcgaagc acccgctggc cttcataccc ttcgggctcg 300

<210> 10780
<211> 256
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189115f08b1

<400> 10780

gctcagttct tgtgctctgc ctcgtaaccg gaggcgcgag gtgcaacaag ttaagcagca 60

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ccatgaggga agagctgaga atgggggcct cccttctcag gcttcatttc catgactgct 180

ttgtcaatgg ctgcgatggt tcaatcttgc tggatggcgc tgatggcgag aaatttgcac 240

tacccaacat gaactc 256

<210> 10781
<211> 196
<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189115f09b1

<400> 10781

gaatctaccg ggagatcctg ccgaacccag agcacctggt ctccaaggcg ctttacacct 60

tcgacatcgg ccagaacgac ctcaccgtgg gctacttcga caacatgacc accgagcaag 120

tcgcggccta cgtccccgat ctaatggaga ggatctcgtc cgcgatccag gccgtgtacg 180

accttggtgg gagata 196

<210> 10782
<211> 113
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189115f10b1

<400> 10782

tctttgggag attttgtctc gtcctttagt ttgtaattct tttctgcctt gctattagta 60

catactctag attgtcttta aatgttaatt cacagactta acgacagcgt ata 113

<210> 10783
<211> 341
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189115f11b1

<400> 10783

cagatggcat cctcctctta cttccttctc ctcgccgctc ttgttgcgtt ggtctcatgg 60

caggccactg cctccgatcc tagccccctc caggactttt gtgtcgccga catgaattca 120

ccagttcgtg tcaatggctt tgtttgcaag aacccgatgg aagttaatgc agatgacttc 180

ttcaaggcag ccaacctcga caagcctagg gtgaccaaca aggttggatc caacgtcact 240

ttgatcaacg tcatgcagat tgctggactc aacaccctcg gcatctcaat tgcgcgcatc 300

gactatgctt ccttgggtca gaacccacca catacgcacc c 341

<210> 10784
<211> 85
<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189115f12b1

<400> 10784

cacgctcctc tgcctctaca tcaccctggc caccgggatc aggtacacgc accaatgcga 60

ctccaccgtc aacaccaccg acgcg 85

<210> 10785
<211> 275
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189115g01b1

<400> 10785

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tcaacaaccg caaggcgttc ggcaatatac ccaggagcca catacggtgc tacgcgctcg 180

cgcccgcccg gtgcatgtcg ctcaatcttg ccgtcaagta cgccgacgtg atctactcta 240

tcgtgctgca ggatgatttt ttgccaagaa cacca 275

<210> 10786
<211> 231
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189115g02b1

<400> 10786

ggcgtcgccg tcgccgtcgc cgcgcgccag atctcctcca cgcgctcgcg gtgcgccctc 60

gccgcctgcg cgatctaccc ggccaagatg gcgacctatg agcccaagaa catcctcata 120

actggtgctg cgggtttcat tgcatctcat gtggcgaacc gtctaattag gagctatcct 180

cactacaaga ttgtcgtcct cgacaagatt gactactgct ccaacctgaa a 231

<210> 10787
<211> 289
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189115g04b1

<400> 10787

gacaggtggt cctgggagcg cgcggacggc gaaggacgcg cacctcccct aagactgctc 60

cacttccctg gccccgtcgt cccgtctaag tcgccggcgg cgtggacgca gcgatgttgc 120

ggacggtgct gcgccgggga ggggcggcca tgaggcaggc cgtgctggcc gagggatcta 180

cggggaacct tctacggctg agcgtggcgg agcgggagcg ctctcggcgg cgtcggcgcg 240

acccggggcg cgacgagttc ttcgtgccaa cgccggagtc gcttaaatg 289

<210> 10788
<211> 286
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189115g05b1

<400> 10788

gagaacgaga agaacgaggt cattgttgct gacaactttt tcactgggtc aaaagacaac 60

ctgaagaagt ggatcggaca cccaagattt gaactcatcc gtcacgatgt caccgaacca 120

ctgctcgcgg aggttgacca aatctaccac cttgcttgcc ctgcctcacc aatcttctac 180

aagcacaacc ctgtcaagac catcaagacg aatgtcattg gaaccttgaa catgcttgga 240

cttgcaaaga gagttggagc tagaatattg ttgacttcga cctctg 286

<210> 10789
<211> 304
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189115g07b1

<400> 10789

caccactagc ctgcctgcct gcctgccgcc aaggcaagat ggtgaagatc tgctgccttg 60

gggctggcta tgtgggtggc ccaacaatgg cggtcattgc cctcaagtgt cctgacattc 120

aggtggttgt ggtagatatc accaagtccc ggattgatgc ctggaacagt gacacactgc 180

caatctatga gcctggcctt gatgaagtcg tgaagcagtg ccgtggaaag aacctcttct 240

tcagcaatga cattgagaag catgttagtg aagctgacat catctttgtg tcggtaaaca 300

cccc 304

<210> 10790
<211> 174
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189115g08b1

<400> 10790

tcaactacac ctccggcacc acgtcggcgc ccaagggcgt cgtgcactgc caccgcggca 60

tcttcgtggt caccatggac tcgctcgtct cctggtccgt gccggagcag tcgacgtacc 120

tgtggacgct acccatgttc cacgccaacg ggtggagctt tccgtggggg atgg 174

<210> 10791
<211> 295
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189115g09b1

<400> 10791

agcacggcga cctagcccga gctcgcaacc atggctaggg gtttgaagaa gcatctgaag 60

aggctcaatg ccccgtctca ttggatgctt gacaagcttg gtggagcttt tgcccccaag 120

ccatcatctg gtcctcacaa ggccagggag tgcctgcctc tgatcctcat cctgaggaac 180

agactgaaat atgctctcac ctaccgtgaa gtgcaatcta tccttatgca gcgccatatc 240

atggttgatg gaaaggtccg cactgacaag acctaccctg ctgggttcat ggaca 295

<210> 10792
<211> 344
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189115g10b1

<400> 10792

aggatcctat ttctgcttca ttgctgattg ttaagggtgg ctttacaacc ctagacatat 60

tggctgttga gtggctccaa tccgggctaa tacatttcgg cacaactgtt tcatactatg 120

gttttgttag tgatgtcctg gaactttccg agaaatacca gaagagattt ggccctcttc 180

gatattttgt ggctggagta ctcaaatttt tgtgtctacc aagttacttc tatgagttag 240

aatatcttac tttgtccaag gacatgttcg ggcatggaaa aggtacagga caagacaaag 300

ttgaattgtc tgatgtctat acagatgtaa tgcgcagtcg atca 344

<210> 10793
<211> 219
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189115g11b1

<400> 10793

tggccgtggc ggcgctccgg tgcgcgccgg ccgccgcgga gctcccgctg gtggagcacc 60

cggccaagaa cgacgggtcg ctcagcctgc tcgtcgtcgg ggactggggc cgcaacggca 120

cctacaacca atccagggtc gcggagcaga tggggaaggt cggggagagg ctggacatcg 180

acttcgtggt ctccaccggc gacaactttt acgagaatg 219

<210> 10794
<211> 199
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189115h01b1

<400> 10794

gggatggata ctatatccat ggtcagtgtg cgataatcat gtttgatgtc acttcaaggt 60

tgacatacaa gaatgttcct acgtggcaca gggacttgtg cagggtgtgt gagaacatcc 120

ccattgtcct gtgccgggaa caaggttgat gtgaagaaca ggcaggttaa ggccaagcag 180

gtgacattcc acaggaaga 199

<210> 10795
<211> 119
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189115h02b1

<400> 10795

tgaggggat atgacaaaac aacacgccat ggaggtggtg ttgaatcaac aggtgaagga 60

gcgtcacgag atggaaaaaa aactggcgaa gcttgcaaag acaatggatc acttggaga 119

<210> 10796
<211> 228
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsrow189115h03b1

<400> 10796

agcatntgaa gaggctcaat gccccgtctc actggatgct tgacaagctt ggtggagctt 60

ttgcccccaa gccatcatct ggtcctcaca aggccaggga gtgcctgcct ctgatcctca 120

tcctgaggaa cagactgaaa tatgctctca cctaccgtga agtgcaatct atccttatgc 180

agcgacatat catggttgat ggaaaggttc gcactgacaa gacctacc 228

<210> 10797
<211> 286
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189115h04b1

<400> 10797

catgaatccc gaatatgact acctcttcaa gctgctgctc attggggact cgggcgtggg 60

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tattggtgtt gacttcaaaa tccgcaccgt tgagcaagat gggaagacga taaagctgca 180

aatttgggat actgctggac aagagcgatt taggaccatc acaagcagct actaccgcgg 240

tgcccatggc atcattgttg tgtatgatgt gactgaccag gagagc 286

<210> 10798
<211> 187
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189115h06b1

<400> 10798

gccatggcgt ccgggaagca cttcaagtac atcgtcctcg gcggcggcgt ctccgggggg 60

tacgcggcgc gggagttcgc caaacagggg gtgcagccgg gggagctcgc catcatctcc 120

aaggaggcag tggctcctta cgagcgccct gccctcagca aggcatacct gttccctcag 180

agtcctg 187

<210> 10799
<211> 331
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189115h07b1

<400> 10799

ctcaagaacc agactgtcga tcttgtgttc acagcgcacc ccacgcaatc cgtcaggagg 60

tccctgctcc agaagcacgg gaggatccga aattgcctga ggcagttgta tgcaaaggat 120

atcactgccg atgacaagca ggagctcgat gaggctctgc agagggagat tcaagctgcc 180

ttccgaaccg atgaaatccg caggacacct cccactcccc aggatgaaat gcgtgccgga 240

atgagttatt tccatgaaac tatatggaag ggtgtaccaa aattcttgcg ccgtattgac 300

actgctttga aaaatattgg gattaatgag c 331

<210> 10800
<211> 224
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189115h08b1

<400> 10800

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ggcggtgcac gcgtcggcct acgacaagaa cgtggacgag caggtgcgcc cggccttcgt 180

gccggacgat gtgatcggcg gcgccgggag cccagacaag tact 224

<210> 10801
<211> 282
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189115h09b1

<400> 10801

aagccatagt tcatttcct tctttccatg tgatgtcagc agtggtgcca tttcgaaaat 60

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agcactactt gtttcgtcca gactcataaa ctatacacat attataggca tgcaacactt 180

gattacttga acgcctaaaa tgaagtggaa atatttagcg ataagtgcaa accatggaaa 240

accacaccaa ttgttttgtg ttcctcacta aacattgtaa aa 282

<210> 10802
<211> 263
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189115h11b1

<400> 10802

aagctctacg cctggaaagt tcgtgaggtg caaagaacgg tttgtgatca gcgatgactg 60

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cttccccggg tttgaggagg tggaagtgcg tgtcagctgg cccaaggtta tatccatgct 180

gaaggcttct ctgtcgtcgg ataccatatt cactgatatt ttcttaccca tgggaaccgg 240

tggtcaggat gctcgtgcca ctg 263

<210> 10803
<211> 182
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189115h12b1

<400> 10803

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ggaggtggtc aaggactact ccggcccacc ggtgatcgcc ttcaagttcc ggcactgggg 120

ccacatggag gggccctaca agggcaacgc ccccaccggg gacaaggtcg agttctacgg 180

cg 182

<210> 10804
<211> 240
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189118a01b1

<400> 10804

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ggttaagtat gattttgagg acaaaatcaa tgcagctgtc ttcccaggtc tgcaaggtgg 120

accccataac catactatta ctggccttgc cgttgcgctt aagcaggcaa ctactcagga 180

gtacagagct tatcaagagc aagttatgag taactctgct agatttgctg agagcttaac 240

<210> 10805
<211> 215
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189118a02b1

<400> 10805

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tcgcgtgcgg ccggacacca tgagctgcgg cagcgacggg tgcagggacg gcggcagcgg 120

cggcggcagc gaggggttcg ggcggtcgcg gccgagcaag gtcgcggccg acgactcggt 180

ggagcccgcg cggtgctcgg acgccacctc gccgt 215

<210> 10806
<211> 302
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189118a03b1

<400> 10806

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ttatgactcc atggttacag agttagagaa gcttcgtgct gagttgacaa acacaactaa 180

tattgacaga agtggtactt tgtacaatcc taattttgct cagaaggatg gcggtacatc 240

tagccaccat tctgcttatg atggtggcta tggggttgca caggctagga cgccccctgg 300

ta 302

<210> 10807
<211> 304
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189118a04b1

<400> 10807

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cattgcacga tttggtcatg gatctgcgaa gcttgctcgt caggctcaga gcagagagaa 120

gactcttgca aagatggagc gtggtggtct tgctgagaag gttgtcaatg acaggattct 180

tgtattccgc tttacagatg ttggcaaact cccaccacca gtgctgcagt ttgctgatgt 240

cacatttggt tacactccgg ataatctcat ctacaagaac cttgacttcg gtgttgacct 300

tgac 304

<210> 10808
<211> 298
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189118a05b1

<400> 10808

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ccaattccgg aggtaacagt tctggttgca aggatatgac tgatgctcaa agtaagggga 180

agtctgtcat gccctctgct gaaccactcg ctcgtaacac tgttcccagt tttcgtccaa 240

gtcatccaaa tgcatctgga aatgaatggt tccagacacg aagatcggtg gatggatg 298

<210> 10809
<211> 354
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189118a07b1

<400> 10809

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ttgttgtggt ggtattcggc cttgtgctgg tctggcgtga tgccgatgga gtgttggccg 180

ccgtcgctcg cgcgcagcgt tcggtggctg tcgacctcgt cttctgcttc gtctccttgg 240

tggaggcaaa agggaggcgg cggatccgac gctagctccc ccaataagcg cgtggctgcc 300

tcagttcgag ccgctctggt gttctcccgt cttgcttcta gccgtcatgg tggc 354

<210> 10810
<211> 356
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsrow189118a08b1

<400> 10810

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gcgcctgatc cggtcgagcg cggcgtgccg gccaccttca agatctccgc tacaacagat 120

aaaaacatca ccgaggggaa gctggttatt gatgttaaat attggatctt caatgtttac 180

tctgaaacgg atgacatctg tacgaagacc caatgcccgg caacttctga ttttgagcta 240

tctcactcgc aaaccttacc atcaatcact ccaccgggtt cttacaccat tcagatgaag 300

atgctcggaa agcacgatga ggaattgagc tgcatctcct tcgggttcaa cattgg 356

<210> 10811
<211> 389
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189118a09b1

<400> 10811

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ccaaagccag aattcagcac agatgaagaa caaagtccaa agaaagatga atcaaatatg 120

gcaggagaga aaacttatga tgagaaaaca aagggtgcac aggaagctaa gagtctcact 180

gacgaagcga aaaccaaagt tgaagaacaa ggagtagtac agaaggcgtc acacaatcag 240

aaacgtgatc tcgatgtggt ttcaccaaca gaagctcctg ggactgaaga aaatgttgtg 300

gatataaaag agccagagtt cagcacagat gaagaacaaa gtccaaagaa agatgtatca 360

aacatggcag aagagaagag ttatgaaaa 389

<210> 10812
<211> 270
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189118a10b1

<400> 10812

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gtgcagcagg tcatggaggg atgccagcac tgctggatgc gggaggcgct cgaggagctc 180

gtcgcccggc acgccaagcc gcagtccgcc ctgtgagcag ccaagcgggc tggcggggtg 240

actggagctc gagcgcgcgc gactctcgcg 270

<210> 10813
<211> 154
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189118a11b1

<400> 10813

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gctcatggag tacgcccccg gcgtcggcgt gaccatgaag aggaagggcg aggaggagcc 120

ggggctgttc gcgttccccg acgacggcga cggc 154

<210> 10814
<211> 276
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189118a12b1

<400> 10814

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gttaaacctc ttcatacccc acaggcacct acaaatgtgc ttgacagtcc aatggctgct 120

gccaagcatt caccaaaggc aaaattatct ggaaatgatt gttttgcatg tgtcggatct 180

gatcctcaga agtgggcttc agctgagaaa tttcagccta cttcaaagtc gagtggtcaa 240

ctaaaggcac atggctctag taatgcggag aaacat 276

<210> 10815
<211> 151
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189118b01b1

<400> 10815

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ggccgccgtc tgctgcatgt gcggcgacca t 151

<210> 10816
<211> 314
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189118b02b1

<400> 10816

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ccgccaccct ggtgctcgcc cagggtaaga agtcgaacct gtcggaggtg acgcacaagg 180

tctacttcga cattgagatc gacggcaagc ccgcaggtcg ggttgtcatg ggacttttcg 240

gcaaggctgt tcctaaaacc gcagagaact tcagagcact ctgcacagga gagaaaggca 300

tgggcaacag cggc 314

<210> 10817
<211> 321
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189118b04b1

<400> 10817

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gagactttcc tcttcacctc tgagtctgtg aacgagggcc accctgacaa gctctgcgac 120

caggtctctg acgctgtgct tgacgcgtgc ctcgcccaag acgctgacag caaggttgcc 180

tgtgagacat gcaccaagac caacatggtc atggtttttg gtgagatcac caccaaggcc 240

actgttgact atgagaagat tgtgcgtgac acctgccgca acattggctt catctctgat 300

gatgttggcc ttgatgctga c 321

<210> 10818
<211> 255
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189118b05b1

<400> 10818

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gtgggcgagc atctcccgcg gcggaggcgc gcccaccgtg tcgccgtgct tcgaccacac 180

gctcctcgcc gcgcgcccgc cgcagtcgcg ggcggtgctg tacgaccacc cggagtacaa 240

gccggagccg gagcc 255

<210> 10819
<211> 293
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189118b06b1

<400> 10819

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gagacaacat gtcgacgctt gccgcggcga gggccgacaa cttctactac ccgcccgaat 180

ggagcccgaa gaagggtggg ctgaacaagt tccacggcca acatgccctc agggagcggg 240

ccaggaagct ggatcagggc atcctgatta taagattcga gatgcctttc aat 293

<210> 10820
<211> 316
<212> DNA

<213> Triticum aestivum

<223> Clone ID: uC-tsrow189118b07b1

<400> 10820

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gaaggcggcc gagaagaccc ccgcgggcaa gaagcccaag gccgagaagc ggctgccggc 180

gggcaagacg gcgtccaagg aggccggcgg tgagggcaag acccggggcc gcaagaaggg 240

cagcaaggcg aagaagggcg tggagacgta caagatctac atcttcaaag tgctgaagca 300

ggtgcacccc gacatc 316

<210> 10821
<211> 356
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189118b08b1

<400> 10821

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cattggcggc acggccgcga gacgatgatt cagcgcgggc gacggcggtg acatggtcga 180

gtagcggcgc cgaggaccat gccagcggcc gtatccgcgt agagggagat cgaagatgag 240

gaatacgcag cggaaaccat ctattctcaa cttcgatgct ggatgcggat cttccttgtc 300

ttttattgta ataggcttgg tgggatgcac cctcattgtc tgcctatttt tcatca 356

<210> 10822
<211> 307
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189118b09b1

<400> 10822

acaggagtta caactattgt tgttggtttt tcaagcagag gagggcatgt tgatggacca 60

agtgacgatg caaaattttc tactgatttt gaagtccgtt acattgccag tagctgctcc 120

cttttggtga ttgacagagg aaatcaagct attcgggaga ttcagctcaa ctttgatgac 180

tgtgtgtacc agtatgaagc tggttttcct ctaggagtag cactgcttct tgctgctgct 240

ttcttcggct acatgcttgc attgctccaa cgccgggttt tagggatggt atcaacagaa 300

gatgaac 307

<210> 10823
<211> 303
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189118b11b1

<400> 10823

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gaatcgggtg gggctgggct ggtgttatct ggctgttcag cattgtgttc tacttcccac 120

tcgacatttt caagttcttc atccgatttg tgctgagtgg aagggcctgg gacaacctcc 180

tgcagaacaa gactgctttc accaccaaag agaactacgg caaaggggag agggaagcac 240

aatgggctac cgcacagaga acactccatg gccttcaagc accggagccg gcctcccaca 300

cac 303

<210> 10824
<211> 234
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189118c01b1

<400> 10824

ccaatgcgag cttgttggcg gtgatcatgg cgtgcacact cctcggaggc cacacgtgcc 60

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tccctggcct cccggccctg cctaccatgc cgaccctgcc accgatgccg gctgtgccaa 180

cggttccggc cgtgacagtg ccagcaatgc cgtcggtgcc cacggggatc gtgc 234

<210> 10825
<211> 296
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsrow189118c03b1

<400> 10825

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gaaagttcta tgcccagaca gtaggtgacc agagagtagc ttccatccaa caacagcttg 120

catccttgaa acttaaggag gcaccagtca ttggtgcttt taatcctggg aagggagaaa 180

tagtccttgc tcagtttagc ctcgacaact cttggaatag agccatgatt gttaatggac 240

cccgaggagc tgtagagtct gtagatgaca aatttgaagt attctacatt gatttt 296

<210> 10826
<211> 372
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189118c04b1

<400> 10826

caggagctaa agcgggtcct ttggttttat cgagcacttg actttgtgta acaggtagcg 60

tttggaaggg atgagagaca agtgatcatt gcaatttttg tgggaacatt gcccaagatg 120

gcgaagtgca ggatctgccg ccactattgg agacaccttg tcaagcacca cggctacgca 180

gatcgaagcc gctgtcacgt gccgaagagt caccatcgcc agccatcggt ttcttctgcg 240

gcaatggcta atccagccca acttcaggcg cgggccggtc tccgtcgaca agcaccgtct 300

tctgccacaa gaaccgccac ccattccgaa tcccagcagt attttcaggt ccactacacc 360

aaagaaaagc tg 372

<210> 10827
<211> 300
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189118c05b1

<400> 10827

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ggccttggat ttccggagat ttccgtggga agtgcccctc caatttggca gagcatgcaa 120

gagcagaagc tgatagagaa ggacatcttc tccttctggc ttaaccgtga tcccgatgca 180

tccgcgggag gtgaactcgt gttcgggggt gtggacaaaa agcactataa ggggaaacac 240

acatacgttc cggtcactcg taaaggctac tggcagtttg acatgggtga tcttctcatt 300

<210> 10828
<211> 352
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189118c06b1

<400> 10828

gggtgcggcg cccgcgtcgg cgtcattctt aggtcctgca gccttccttt agcgctaagg 60

acaggccagc aatctccatg atcgaagatg cggagaagaa ggggctgata accccaggca 120

agacgacgct gatcgagcct acatccggga acatgggcat cggcctggcg ttcatggctg 180

cactcaaagg gtacgagctc gtgctgacga tgccatcata caccagcctc gagaggaggg 240

tggtcatgaa ggccttcggt gcgcagctcg tactcactga cccggcgaag gggatgggag 300

gcaccgtcag gaaggcaacc cagctctatg agaaccatcc cagcgccttc at 352

<210> 10829
<211> 334
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189118c07b1

<400> 10829

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tgactgtttg tgccatgaac gagcttcact tgtatgaaga ttctgaaaag gcaattctga 180

gcacatcatc agccaacggc atggcagttc taagagttgt gcaggccttg agttctcttg 240

tcacatctct gcaagagaga aaagatccag agcttcttgc agagaaggac cattcagatg 300

cgctgtccca gatttctgat attaacacag catt 334

<210> 10830
<211> 284
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsrow189118c08b1

<400> 10830

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cggaacaaaa gaacccggcc aaggctagct tattttgtac taccacaaaa gaaggaaggg 120

atctgcacaa aattctgaat tgagagtgaa ggtgttgcca tctaccgtcg atatgcgaca 180

ctgtatttac cagtgtgccc tagtttttct aatcgaatta agagcgtccc cgcgtaggga 240

ggacacatgc taacaggggg ggtcctggtt ttggtggttc gact 284

<210> 10831
<211> 344
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189118c11b1

<400> 10831

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aatatcttta ggtaaagctg cggggccgcc atggcagagc agctacacaa tcaacaacaa 120

cgccacacgt cgatcaacac caacgcacga acaacgaaag gcaaaaggcg acaggaattg 180

aagaagaaga acatgcacga acgaattaag cgtcttattt ttggatgtac tctggaagcc 240

tcctcctcct ctcctccacg gtggccccgg cgatgcttca gacgttgatg ggcaggggct 300

cgccgttcca ctccttgagg cactccagca tggggtcgat gagc 344

<210> 10832
<211> 327
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189118c12b1

<400> 10832

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aggccgccgc catcatggag cacatccttg aaggaagctc ctacatggca ctcgcaaaga 120

agctcggcga gcttgacccg ttgatgaagc caaagcaaga taggtatgcg ctccgcacat 180

caccgcaatg gcttggcccc cagattgagg tcatccgtgc tgcaaccaag tcgatcgagc 240

gggagatcaa ctccgtcaac gacaacccac tcatcgacgt ctcccgcggt aaggccatcc 300

acggtgggaa cttccagggc acaccta 327

<210> 10833
<211> 380
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsrow189118d01b1

<400> 10833

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aactggatcc agcaccaggg agatgtgttc catttcccag gaggcgggac aatgtttcca 120

aatggagcaa gctcttacat tgatgaactt gcatcagtca ttccacttgc tgatggcacc 180

attaggactg cacttgacac tggatgtggg gttgcaagct ggggtgctta cctaatggat 240

agaaatatat tgaccatgtc atttgcacct cgagactcac acgaagctca ggttcaattt 300

gctttggagc gaggtgttcc tgctgtaatt ggagtgcttg ggactatgaa gctcccatac 360

ccatctagat cttttgatat 380

<210> 10834
<211> 281
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189118d02b1

<400> 10834

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atattagcca tttcggacga ttaacgaagt tgatagacga caaagaagtt gccaccaaga 180

ttcagctcgg tggccagaca gatcaggagc aactaaaaat agctcctacg gtgttggtag 240

atgttcctct tgatacagca cttatgacag gggaaatatt t 281

<210> 10835
<211> 281

<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189118d03b1

<400> 10835

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ggacgcctct ctgcccgctg agctccctcg cgcccctcct cgtgagctcg aaatacatga 120

agatgtcgga acattctgag agcacggctg aaaagctcat gggcaacatc atggatacca 180

ttgctgacaa gctccctaag cagaagtctg acaatatcat gagcaacatc atggatacca 240

tttctgacaa gctccctaag cagaggtctg gccggttcga t 281

<210> 10836
<211> 298
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsrow189118d04b1

<400> 10836

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cgccgnctcg ccggcctccg ggccggcatt ttccgcctgg tagagggagc gcccgtagct 120

gcactgacta gacacagtga ttcttttgtt ggttgggcgg ttcttggcaa tggcagtgcc 180

gctgccgtcg gctgtacagg gcggcgaggg agggtcgccg gcgattgcgg cgcgaggagg 240

agggaggaga ggagtggtgg atagagaaaa agaagagctt gttcttttg gtagaaat 298

<210> 10837
<211> 198
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189118d05b1

<400> 10837

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cgctcgatct gtcggcggcg ttctttcgcg ctgccggacg aggagaaggc caaggtgcgg 180

cccgccgagg gcgccttc 198

<210> 10838
<211> 418
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189118d07b1

<400> 10838

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tctgtttaat ccatgatgag caaattagcg gcagcattgt gcatgcagcc tcaatcaaca 120

agcaaaccgg cagtgcagag aaatcatctc cagatactcc catgaattca gcaagcacaa 180

ccccaagata tccgctgatg ataatagaca gggcaagtgc agacatgaca aaggccataa 240

ccgatccctc gcacccagag gggcaaaggc ttgcgataag aacactgaag ggtagcacct 300

tgaagaacat gaggccctct agcagccctg agaacacaat ggtgtataag gagtctgata 360

ttcccacctt tctgtatact ccctgaacaa ataacacatc tgacaacatt acaacagc 418

<210> 10839
<211> 353
<212> DNA
<213> Triticum aestivum

<223> unsure at all n locations
<223> Clone ID: uC-tsrow189118d08b1

<400> 10839

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tggcggattc gatggtggca agcttctggg ggccggttac atcaaccacc gagctgtgcg 180

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cttgcattct tttggcgctt attgggctcg tgaatgctct ccgccagcgt ttcgagaagc 300

gcttcagcgt cctgcacata tccaatatga tactttctat tgggagtatc atc 353

<210> 10840
<211> 275
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189118d09b1

<400> 10840

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tgcccagcca cgctagccag atcctcctgc aaagaacaga aatcccccgg ttatttccca 120

ctccgctcca ctcgtccgaa ccacgccgcg ctagccagct gcatcttcag ccggcatggc 180

ccgcctcggc ctccggcgct ttccgccgct gatgctcctc ctcctactcc tcttcaccct 240

cgtcgtcgcg gaggtggcgg cggggaaggg gaaag 275

<210> 10841
<211> 342
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189118d11b1

<400> 10841

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acttcctgtc gaagactgcg gcaacggagc tcggcggctg cggcccttct ccaagactgc 180

agcatggtgc tcggcagctg cggcaacgga gctgatggag cgcgagccga ccagttcaac 240

ggaggcagta gcacggggca gcggcagcag catggagggc gtccgcttga ctggaaagag 300

aatgtatttg ttgatagtga gagtgaggat aatgatgggg tg 342

<210> 10842
<211> 265
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189118d12b1

<400> 10842

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agcagaagaa gaagaagtgg agcaagggca agcaaaagga gaaggtgaac aacgcggtgc 120

tgttcgacca ggccacctac gacaagctgc tcaccgaggt gcccaagtac aagcagatca 180

cgccctccgt cctctccgag cgcctcagga tcaacgggtc tctggcacgc agggctatca 240

aggacctgat ggagagggga ctcat 265

<210> 10843
<211> 202
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189118e03b1

<400> 10843

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agaagtcgcc gtcgacgggg accaagagga tcacgtcgcc aggccgccgg gcaacggact 180

acgttgcata cgacatgatc gc 202

<210> 10844
<211> 342
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189118e04b1

<400> 10844

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cctggctgtg tcactagctg tttgcaaagc tggagccagc gtcaagaaga ttccgctgta 120

ccagcacatt gccaaccttg ctggcaacaa gcaattggtt ttgcctgttc ctgcattcaa 180

tgtcatcaat ggtggatccc atgctggaaa caagcttgct atgcaggagt tcatgatcct 240

tcctactgga gctgcctcat tcaaggaggc aatgaagatg ggcgttgaag tgtaccacaa 300

cttgaagtct gttatcaaga agaagtatgg gcaagatgcc ac 342

<210> 10845
<211> 243
<212> DNA
<213> Triticum aestivum

<223> Clone ID: uC-tsrow189118e05b1

<400> 10845

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